

**Catalogue**  
**OF**  
**Brown University**  
**1900-1901**



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# Catalogue

OF

# Brown University



One Hundred and Thirty-Seventh Year

1900=1901

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1900

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Correspondence addressed simply to BROWN UNIVERSITY may be expected to reach the proper department, but, in order to avoid delay and possible confusion, correspondents are requested to note the following directions :

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# UNIVERSITY CALENDAR 1900-1901

1900.

*September 5.*            *Wednesday.* Annual Meeting of the Corporation  
(first Wednesday in September).

*September 17-19.* *Monday, Tuesday and Wednesday.* Examinations  
for admission to the Freshman Class and to  
Advanced Standing.

*September 18.*        *Tuesday.* Last day for registration of Under-  
graduate Students.

*September 19.*        *Wednesday.* ACADEMIC YEAR BEGINS: 8.40 A. M.

*September 19.*        *Wednesday.* Last day for registration of Resident  
Graduate Students.

*October 1.*            *Monday.* Last day for registration of Non-  
resident Graduate Students.

*November 29 to December 1.* *Thursday, Friday and Saturday.*  
THANKSGIVING RECESS.

*December 15-21.* *Saturday to Friday.* Term Examinations.

*December 22, 1900, to January 2, 1901.* *Saturday to Wednesday in-  
clusive.* CHRISTMAS RECESS.

1901.

*January 2.*            *Wednesday.* Last day for registration of Under-  
graduate Students.

*January 3.*            *Thursday.* SECOND TERM BEGINS: 8.40 A. M.

*February 22.*        *Friday.* Washington's Birthday. No University  
exercises.

*March 9-15.*          *Saturday to Friday.* Term Examinations.

*March 16-26.*        *Saturday to Tuesday, inclusive.* SPRING RECESS.

- March 26.* *Tuesday.* Last day for registration of Undergraduate Students.
- March 27.* *Wednesday.* THIRD TERM BEGINS: 8.40 A. M.
- March 30.* *Saturday.* Last day for receiving theses of candidates for the Doctorate.
- May 30.* *Thursday.* Memorial Day. No University exercises.
- May 31.* *Friday.* Last day for examinations for Advanced Degrees.
- June 6-12.* *Thursday to Wednesday.* Term Examinations.
- June 13.* *Thursday.* Hicks Prize Debate: Manning Hall, 8.00 P. M.
- June 14.* *Friday.* Class Day.
- June 16.* *Sunday.* Baccalaureate Sermon: First Baptist Meeting House, 4. P. M.
- June 17.* *Monday.* Sophomore Prize Declamation: First Baptist Meeting House, 8.00 P. M.
- June 18.* *Tuesday.* Annual Meeting of the Phi Beta Kappa Society: 5 University Hall, 9.30 A. M.
- June 18.* *Tuesday.* Annual Meeting of the Alumni: Manning Hall, 4.00 P. M.
- June 19.* *Wednesday.* ONE HUNDRED AND THIRTY-THIRD ANNUAL COMMENCEMENT (third Wednesday in June): First Baptist Meeting House, 10. A. M.
- June 20.* *Thursday.* Meeting of the Corporation.
- June 20-22.* *Thursday, Friday and Saturday.* Examinations for admission to the Freshman Class and to Advanced Standing.

SUMMER VACATION.

*September 4.**Wednesday. Annual Meeting of the Corporation  
(first Wednesday in September).**September 14, 16, 17. Saturday, Monday and Tuesday. Examinations for admission to the Freshman Class and to Advanced Standing.**September 18.**Wednesday. ACADEMIC YEAR: BEGINS 8.40 A. M.*

## CALENDAR 1900-1901

1900	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	1901	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	1901	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
July	1	2	3	4	5	6	7	Jan.	..	..	1	2	3	4	5	July	..	1	2	3	4	5	6
	8	9	10	11	12	13	14		6	7	8	9	10	11	12		7	8	9	10	11	12	13
	15	16	17	18	19	20	21		13	14	15	16	17	18	19		14	15	16	17	18	19	20
	22	23	24	25	26	27	28		20	21	22	23	24	25	26		21	22	23	24	25	26	27
	29	30	31	..	..	..	..	Feb.	27	28	29	30	31	..	..		28	29	30	31	..	..	..
Aug.	..	..	..	1	2	3	4		..	..	..	..	..	1	2	Aug.	..	..	..	..	1	2	3
	5	6	7	8	9	10	11		3	4	5	6	7	8	9		4	5	6	7	8	9	10
	12	13	14	15	16	17	18		10	11	12	13	14	15	16		11	12	13	14	15	16	17
	19	20	21	22	23	24	25		17	18	19	20	21	22	23		18	19	20	21	22	23	24
	26	27	28	29	30	31	..	Mar.	24	25	26	27	28	..	..		25	26	27	28	29	30	31
Sept.	..	..	..	..	..	..	1		..	..	..	..	..	1	2	Sept.	..	..	..	..	..	..	..
	2	3	4	5	6	7	8		3	4	5	6	7	8	9		1	2	3	4	5	6	7
	9	10	11	12	13	14	15		10	11	12	13	14	15	16		8	9	10	11	12	13	14
	16	17	18	19	20	21	22		17	18	19	20	21	22	23		15	16	17	18	19	20	21
	23	24	25	26	27	28	29		24	25	26	27	28	29	30		22	23	24	25	26	27	28
	30	..	..	..	..	..	..	Apr.	31	..	..	..	..	..	..		29	30	..	..	..	..	..
Oct.	..	1	2	3	4	5	6		..	1	2	3	4	5	6	Oct.	..	..	1	2	3	4	5
	7	8	9	10	11	12	13		7	8	9	10	11	12	13		6	7	8	9	10	11	12
	14	15	16	17	18	19	20		14	15	16	17	18	19	20		13	14	15	16	17	18	19
	21	22	23	24	25	26	27		21	22	23	24	25	26	27		20	21	22	23	24	25	26
	28	29	30	31	..	..	..	May	28	29	30	..	..	..	..		27	28	29	30	31	..	..
Nov.	..	..	..	..	1	2	3		..	..	..	1	2	3	4	Nov.	..	..	..	..	1	2	..
	4	5	6	7	8	9	10		5	6	7	8	9	10	11		3	4	5	6	7	8	9
	11	12	13	14	15	16	17		12	13	14	15	16	17	18		10	11	12	13	14	15	16
	18	19	20	21	22	23	24		19	20	21	22	23	24	25		17	18	19	20	21	22	23
	25	26	27	28	29	30	..	June	26	27	28	29	30	31	..		24	25	26	27	28	29	30
Dec.	..	..	..	..	..	1	..		..	..	..	..	..	1	..	Dec.	..	..	..	..	..	..	..
	2	3	4	5	6	7	8		2	3	4	5	6	7	8		1	2	3	4	5	6	7
	9	10	11	12	13	14	15		9	10	11	12	13	14	15		8	9	10	11	12	13	14
	16	17	18	19	20	21	22		16	17	18	19	20	21	22		15	16	17	18	19	20	21
	23	24	25	26	27	28	29		23	24	25	26	27	28	29		22	23	24	25	26	27	28
	30	31	..	..	..	..	..		30	..	..	..	..	..	..		29	30	31	..	..	..	..

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### *On Graduate Students*

Professors WILLIAMS, JAMESON, PACKARD, HARKNESS, BUMPUS, MANATT, CROWELL (Secretary), BARUS, JACOBS, and MEIKLEJOHN.

### *On Absences*

Professors DEALEY, BAILEY, SEARS, KENT, and HILL, Dean EMERY, Miss WING.

### *On Athletic and Other Student Organizations*

Professors DELABARRE, BRONSON, HILL, POTTER, and MEIKLEJOHN, Dr. PARKER.

### *On Publications*

Mr. KOOPMAN, Professors ASHTON and GREENE, Mr. GUILD.

### *On Student Advisers*

Professors BUMPUS, ALLINSON, MEIKLEJOHN, POTTER, and GREENE.

### *On Registration of Teachers*

Professors APPLETON, UPTON, POLAND, ASHTON, and GREENE.

## OFFICE HOURS

*President*

WILLIAM HERBERT PERRY FAUNCE, A. M., D. D.

1 University Hall: 11:30 A. M. to 12:30 P. M.

*Dean*

WINSLOW UPTON, A. M.

1 University Hall: 11:30 A. M. to 12:30 P. M.

*Registrar*

FREDERICK TAFT GUILD, A. M.

2 University Hall: 8:30 A. M. to 1 P. M., 2:30 to 4 P. M.

*Dean of the Women's College*

ANNIE CROSBY EMERY, Ph. D.

Pembroke Hall, Meeting Street: 10 to 11 A. M.

*Librarian*

HARRY LYMAN KOOPMAN, A. M.

Library: 9 to 10 A. M., 3 to 4 P. M.

*Chairman of Committee on Graduate Students*

ALONZO WILLIAMS, A. M.

6 Sayles Hall: 4 to 5 P. M., Mondays and Thursdays, 11 A. M. to 12 M., Saturdays.

*Chairman of Committee on Absences*

JAMES QUAYLE DEALEY, Ph. D.

6 University Hall: 1:05 to 1:45 P. M., Tuesdays and Thursdays.

*Steward*

ARCHIBALD GRANT DELANEY.

3 University Hall: 12 M. to 1 P. M.

## HISTORY OF BROWN UNIVERSITY

The first suggestion of establishing a college in Rhode Island is connected with the residence of Dean (afterwards Bishop) Berkeley at Newport in 1729-31. But his cherished scheme of planting a Christian college in America failed to enlist royal favor, and the colony was compelled to wait a generation for the founding of an institution of higher learning within its borders. In 1762 the Philadelphia Baptist Association, in view of the disabilities attaching to Baptist students in most of the existing American colleges, welcomed a proposal offered by the Rev. Morgan Edwards, a clergyman of Welsh birth, at that time pastor of the First Baptist Church in Philadelphia, for the founding of a college in Rhode Island that should be under the control of their own denomination. James Manning, a graduate of Princeton in the same year, was appointed by the Association as its agent to establish "a seminary of polite literature subject to the government of the Baptists."

In deciding upon the location of the new college, a canvass of the colonies had shown the advantages to be clearly on the side of Rhode Island, which recognized absolute religious liberty, and was, moreover, a Baptist colony in origin and popular attachment. There was no rival institution in the field; and the important cities of Newport and Providence, the former being the second city in New England, furnished an encouraging prospect of future support. Accordingly, in 1764, the friends of the movement obtained from the General Assembly a charter for the "College or University in the English colony of Rhode Island and Providence Plantations in New England, in America; the Trustees and Fellows, at any time hereafter, giving such more particular name to the College, in honor of the greatest and most distinguished benefactor, or otherwise, as they shall think proper."

The provisions of the Charter which fix the denominational character of the college read as follows: . . . "the Corporation thereof shall consist of two branches, viz.: That of the Trustees,



and that of the Fellowship, with distinct, separate and respective powers; and that the number of the Trustees shall and may be thirty-six; of which twenty-two shall forever be elected of the denomination called Baptists, or Antipedobaptists; five shall forever be elected of the denomination called Friends or Quakers; four shall forever be elected of the denomination called Congregationalists, and five shall forever be elected of the denomination called Episcopalians"; . . . "the number of the Fellows, inclusive of the President (who shall always be a Fellow) shall and may be twelve; of which eight shall be forever elected of the denomination called Baptists, or Antipedobaptists; and the rest indifferently of any or all denominations", . . . "to whom the President, when hereafter elected, (who shall forever be of the denomination called Baptist, or Antipedobaptist,) shall be joined."

Though the President must be a Baptist, the three important positions of Chancellor, Secretary, and Treasurer, are without religious limitation. The Corporation is self-perpetuating; but vacancies in the Board of Trustees have been filled since 1874 from nominations made by the alumni. It is, however, in the following paragraph that the liberal attitude of the college on sectarian questions is most clearly set forth:

"Furthermore, it is hereby enacted and declared: That into this liberal and catholic institution shall never be admitted any religious tests; But, on the contrary, all the members hereof shall forever enjoy full, free, absolute and uninterrupted liberty of conscience; And that the places of Professors, Tutors, and all other officers, the President alone excepted, shall be free and open for all denominations of Protestants; And that youths of all religious denominations shall and may be freely admitted to the equal advantages, emoluments and honors of the College or University; and shall receive a like fair, generous and equal treatment, during their residence therein, they conducting themselves peaceably, and conforming to the laws and statutes thereof: And that the public teaching shall, in general, respect the sciences; and that the sectarian differences of opinions shall not make any part of the public and classical instruction; Although all religious controversies may be studied freely, examined and explained by the President,

Professors and Tutors, in a personal, separate and distinct manner, to the youth of any or each denomination; And above all, a constant regard be paid to, and effectual care taken of, the morals of the College."

As the college was at the beginning without funds, and only a scanty return could be expected from students' fees, it was necessary that the president should support himself and his family by some other means. The founding of a Baptist church in Warren, and the call of Mr. Manning to its pastorate, offered a solution of the difficulty; and hither Mr. Manning brought his family in the spring of 1764. His first act towards the establishment of a college was the opening of a Latin school. This preparatory school was afterwards removed with the college to Providence, where it has flourished for more than a century and a quarter, under the name of the University Grammar School. At the second meeting of the corporation, September 4th, 1765, Mr. Manning was formally appointed "president of the college, professor of languages and other branches of learning"; the first student having been matriculated the day before. In the following year David Howell was appointed tutor, but no other addition was made to the faculty until 1774. In 1769 the first class of seven members was graduated at Warren. This town had not been generally regarded as the permanent seat of the college, and the necessity which now arose of erecting a college building compelled a final choice of location. After a spirited contest for the honor among the leading towns of the colony, the choice fell upon Providence. Here the foundation of the first college building, the present University Hall, which was modeled after Nassau Hall at Princeton, was laid in 1770. In the same year a house for the president was built on the grounds, the two buildings costing about \$10,000.

In 1771 President Manning was called to the pastorate of the First Baptist Church in Providence; and he served the church in this capacity in addition to his college duties, from that date until the close of his life. In December, 1776, the work of the college was interrupted by the Revolutionary war, and it was not resumed until the fall of 1782; University Hall meanwhile being used as a barrack and hospital for the combined American and French

troops. Upon the reorganization of the college important additions were made to the library and the philosophical apparatus. In 1791, after twenty-nine years of service as founder and director of Rhode Island College, President Manning died. He had seen the college become firmly established, with a graduate roll of 149; the last graduating class, that of 1790, having numbered 22. At the time of his death the faculty consisted of the president, four professors and two tutors. The discipline during this period had been strict and paternal, the officers of instruction living under the same roof with the students, and making frequent visits of inspection to their rooms. President Manning at first taught all the branches studied, but was designated professor of languages, afterwards of moral philosophy. David Howell, his assistant, taught mathematics and natural philosophy, as also French, German and Hebrew. He was appointed professor of natural philosophy in 1769, and of law in 1790, but never taught the latter subject. A professor of natural history was appointed in 1784; and a professor of mathematics and astronomy in 1786.

The first college funds, amounting to \$4500, were collected in England and Ireland by the Rev. Morgan Edwards in 1767-68. In the next two years the Rev. Hezekiah Smith obtained subscriptions amounting to \$2500 in South Carolina and Georgia. The former contribution was made a permanent fund; the latter was expended in the construction of the college buildings. Further gifts were received for a time from the Philadelphia, Charleston, and Warren Baptist Associations, but they appear to have ceased with the outbreak of the Revolutionary war.

The successor of President Manning was the Rev. Jonathan Maxcy, a graduate in the class of 1787, who had been professor of divinity 1791-92. He served from 1792 until 1802, when he resigned his office to accept the presidency of Union College. During the last year of his administration at Rhode Island College a class numbering 28 was graduated.

The third president of the college, the Rev. Asa Messer, a graduate in the class of 1790, who had served as professor of learned languages 1796-99, and of mathematics and natural philosophy 1799-1802, directed the affairs of the institution from

the last-named year until his resignation in 1826. During his presidency of twenty-four years the college was expanded in every direction. A class numbering 48 was graduated in 1825, the faculty in that year consisting of nine professors, besides the president, and two tutors. A medical school was established, which existed from 1811 until 1828, and sent out 87 graduates. The special professorships created for the medical school were materia medica and botany, 1811; anatomy and surgery, 1811; chemistry, 1811; theory and practice of medicine, 1815. A professor of moral philosophy and metaphysics was appointed in 1811; one of oratory and belles-lettres in 1815, and one of the Latin and Greek languages and literature in 1825.

In 1792 Nicholas Brown, a graduate in the class of 1786, gave \$500 with which to purchase law books for the Library. In 1804 he endowed a professorship of oratory and belles-lettres. In the same year the name of the institution was changed in his honor to Brown University. In 1810 the University Grammar School building, recently known as Lyon Hall, was erected at a cost of \$1450. In 1822 Mr. Brown built Hope College at his own expense, the estimated cost being \$20,000. In 1826 the permanent funds of the University amounted to \$31,300.

The fourth president, the Rev. Francis Wayland, entered upon his official duties in 1827. He at once raised the standard of scholarship, and gradually increased the scope of the instruction. He finally accomplished an entire reorganization of the University on the basis of the elective principle. In accordance with this "New System" the bachelor's degree was given for a three year's course, and the master's degree for a course of four years. Graduate study and special study were both encouraged; and the sciences, in accordance with the spirit of the Charter, were made prominent in the curriculum. This system was not put into operation until 1850, and was fully in force only until his retirement five years later. The increase in the scope of the curriculum during President Wayland's administration is clearly shown in the following list of subjects to which professors or instructors were assigned at the dates annexed: chemistry, physiology and geology, 1834; moral and intellectual philosophy, 1834; belles-lettres,

1835; rhetoric, 1837; Hebrew literature, 1838; modern languages and literature, 1843; Greek, 1843; Latin, 1844; French, 1844; history and political economy, 1850; natural philosophy and civil engineering, 1850; chemistry applied to the arts, 1850; rhetoric and English literature, 1851; didactics (i. e., pedagogy), 1851; analytical chemistry, 1854.

The influence of President Wayland was felt not so much in the increase of the number of students, as in the higher intellectual and moral tone of the institution. Discipline, which had grown lax, was strictly enforced. During his administration the college grounds were laid out, and the library was placed on a sound financial basis. The permanent funds were increased to \$200,000, and three important buildings were erected: Manning Hall, given by Nicholas Brown in 1834, built at a cost of \$18,500; Rhode Island Hall, erected in 1840, costing \$14,000, which was raised in subscriptions by Rhode Island men and women; and the President's House, the gift of Nicholas Brown, built in 1840 at a cost of \$7000. The last named building has been used since 1899 as the refectory. The total value of Mr. Brown's various gifts amounted to not less than \$160,000. Mr. Brown also served the University in a most efficient way as treasurer 1796-1825. He was trustee 1791-1825, and fellow from 1825 until his death in 1841. Dr. Wayland resigned the presidency in 1855, having won for the University, by his fame as a writer and thinker and educational reformer, an enviable distinction both at home and abroad.

The fifth president of the University, the Rev. Barnas Sears, a graduate in the class of 1825, held office from 1855 until 1867, when he resigned the presidency to become general agent of the Peabody Education Fund. No new subject was added to the curriculum, except physical geography, which appears for the first time in 1864. Although the term of President Sears covered the financial crisis of 1857 and the Civil war, a notable increase was made both in the funds and in the number of students. A system of scholarships was established, and over \$220,000 was collected in subscriptions. The Chemical Laboratory was built in 1862 at a cost of \$15,000. In the last class that entered under President



Sears seventy-three students were enrolled. Three hundred graduates and students of Brown entered the Union service, 1861-65. Of these twenty-one laid down their lives.

The Rev. Alexis Caswell, a graduate in the class of 1822, was the sixth president of the University, his term covering the years 1868-72. Under his administration the department of physics was organized, and the endowment was increased from \$365,000 to a sum exceeding \$550,000. The Jenks museum of zoölogy was founded in 1871. Upon the resignation of Dr. Caswell, the Rev. Ezekiel Gilman Robinson, a graduate in the class of 1838, was chosen his successor. His presidency extended over the seventeen years, 1872-1889. This period was marked not only by an increase in the student attendance, the class of 1889 having been graduated with a membership of fifty-six, but also by a high degree of intellectual and moral enthusiasm. The following subjects were added to the curriculum or were emphasized by the appointment of separate instructors: special branches of agriculture, 1872; zoölogy and agriculture, 1874; physiology, 1874; botany, 1877; zoölogy and geology, 1878; elocution, 1880; astronomy, 1884; logic, 1886; history, 1888; political economy, 1888.

The funds were increased to \$980,000, and important additions were made to the buildings. Rhode Island Hall was enlarged in 1875 at a cost of \$8800. The Library, the gift of John Carter Brown, of the class of 1816, was built in 1878, at a cost of \$120,000. Slater Hall, given by Horatio Nelson Slater, and costing over \$30,000, was built in 1879. Sayles Hall, the gift of William Francis Sayles, a memorial to his son, William Clark Sayles, a member of the class of 1878, was built in 1881, at an expense of \$100,000. University Hall, which had been renovated in 1850, was again renovated in 1883 at an outlay of \$50,000. Dr. Robinson recognized the fact that a great opportunity for a university existed at Brown, and continually strove to enlarge the scope of the institution. New courses were created, and a beginning was made in systematic graduate study. Dr. Robinson resigned the presidency in 1889.

The eighth president of the University was the Rev. Elisha Benjamin Andrews, a graduate in the class of 1870. With his

accession in 1889 the modern life of the University properly begins. In the year preceding his presidency three graduate students were enrolled; in the last year of his term of service the graduate students numbered 101; the total number of students for the same years being, respectively, 268 and 860. The officers of instruction for the corresponding years increased in number from 22 to 73. All the old departments were expanded, and the number of departments was increased from 16 in 1889-90 to 25 in 1897-98. The department of philosophy was enlarged by the addition of psychology and pedagogy. American and European history were assigned to separate professors, political economy was made a department, and the department of social and political science and law was added. The department of fine arts was created, including the history of art, and music. The new department of Indo-European philology was introduced. The departments of Greek and Roman literature and history, English literature and language, and Germanic and Romance languages and literatures were reorganized and extended. Rhetoric and oratory were made an independent department. The new department of Biblical literature and history was formed, including the Semitic languages and New Testament Greek; while a course in the philosophy of religion was offered. The departments of mathematics, mechanical engineering, astronomy, physics (including electrical engineering), chemistry, zoölogy, geology and anthropology, and botany were extended in scope and thoroughness. New departments were formed for the subjects of mechanical drawing, civil engineering, comparative anatomy, military science and tactics, and bibliography. The museum of fine arts was founded in 1889, and that of anthropology in 1891.

The funds were increased to \$1,125,685, and important additions were made to the buildings and grounds. Hope College was renovated in 1891 at a cost of \$35,000. Wilson Hall, the bequest of George Francis Wilson, was built in 1891, costing \$100,000. The Ladd Observatory, the gift of the Hon. Herbert W. Ladd, was built in the same year at an approximate cost of \$30,000. In the same year also the Lyman gymnasium, named in honor of its principal donor, was built at a cost of \$70,000. In 1895 Maxcy Hall was built, its cost being \$50,000. Pembroke Hall, costing

\$38,000, was built in 1897. Three buildings, known as the Howell, Messer, and Brown Street Houses, were also secured for dormitory purposes. The old playground of the University, now known as Lincoln Field, was graded and fitted up for ball games and other athletic purposes in 1889. In 1898 a new athletic field was laid out on Camp Street, a mile from the University.

In 1891 the Grand Army of the Republic Fellowship Fund of \$10,000 was given to the University by the Rhode Island department of that organization. In 1894 the University returned to the state of Rhode Island the scholarship fund of \$50,000 obtained from land-scrip received in 1863, due under act of Congress of July 2, 1862. At the same time the state paid the University \$40,000 in requital of its claim upon the Morrill fund, due to the state under act of Congress of August 30, 1890.

The Women's College was founded in October, 1891. At first only the privilege of University examinations and certificates of proficiency was granted. In June, 1892, all the College and University degrees and the graduate courses were opened to women. In November, 1897, the institution was accepted by the Corporation, and officially designated the Women's College in Brown University. The immediate charge of this department, subject to the direction of the president, was placed in the hands of the dean of the Women's College. All instruction was required to be given by members of the University faculty. Pembroke Hall, which was built by the Rhode Island Society for the Collegiate Education of Women, was formally transferred to the University in October, 1897, and was accepted as the recitation hall of the Women's College.

Accompanying the material progress that marked the administration of President Andrews there was a steady and gratifying advance in moral and intellectual earnestness. In 1898 Dr. Andrews resigned the presidency to become Superintendent of Schools of Chicago. Dr. Benjamin Franklin Clarke, the senior member of the faculty, who had served as president *pro tempore* during the absence of Dr. Andrews in Europe in 1896-97, was appointed president *ad interim*, and served during the academic year 1898-99. Early in June, 1899, the Rev. William Herbert Perry Faunce, a graduate in the class of 1880, was chosen president, and entered upon his official duties on Commencement day.



The Library of the University dates from 1767, when the Rev. Morgan Edwards collected books for it in England. The collection was at first kept in University Hall. It was removed to Manning Hall upon the completion of that building in 1835. In 1842 it contained ten thousand volumes, and in 1878, the date of its transference to the present building, its volumes numbered forty-eight thousand. The present number, including the books in the twelve department libraries, is one hundred and ten thousand volumes. Upon the removal of the College to Providence in 1770 the professors and students enjoyed the hospitality of the Providence Library Company, now the Athenæum, in extension of the scanty resources of the College Library. The Library of the Rhode Island Historical Society and the State Law Library have in later years been most valuable adjuncts to the University Library, while, since the opening of the Providence Public Library in 1878, members of the University have made constant use of its choice and readily available resources. The Library Fund, established under President Wayland, has been supplemented by seven special funds, devoted to the departments of European History, United States History, Mediæval and Church History, Botany, the Arts of Design, Biology, and the Classical Languages and Literatures. Gifts of one thousand dollars each have been made to the Library in recent years by the classes of 1872, 1884, 1885, 1886, 1887 and 1888, which have been of material assistance towards enabling the Library to meet the ever-growing demands made upon it by the work of the University. In 1884, by the will of the Hon. Henry B. Anthony, the Library came into possession of the Harris Collection of American Poetry, which numbered 5000 volumes, and formed presumably the most complete collection on its subject in the world.

At the close of the 132d Commencement of the University in 1900, there were enrolled the names of 5267 graduates, 5095 men and 172 women. Of this number 4565 had received the College or University first degree; 46, exclusive of the foregoing, had received advanced degrees; 69, not previously reckoned, had received the degree of Doctor of Medicine, while 587 others had received honorary degrees. Of the entire number, 2673, or 51 per cent., are living.

# ADMISSION TO THE UNIVERSITY

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## ADMISSION TO COURSES LEADING TO DEGREES

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### ADMISSION TO THE FRESHMAN CLASS

The regular examinations for admission to the FRESHMAN CLASS take place in Wilson Hall on Thursday, Friday and Saturday of Commencement week, June 20, 21 and 22, 1901, beginning at 9 o'clock A. M. on Thursday. Candidates must present themselves promptly at the appointed times.

The order of the examinations will be:

#### THURSDAY, JUNE 20

*Algebra*, Wilson Hall 27, 9 A. M. to 11 A. M.

*Geometry*, Wilson Hall 27, 11 A. M. to 1 P. M.

*French*, Wilson Hall 2, 3 P. M. to 5 P. M.

#### FRIDAY, JUNE 21

*Greek*, Wilson Hall 2, 9 A. M. to 12.30 P. M.

*Latin*, Wilson Hall 25, 1.30 P. M. to 5 P. M.

*Greek and Roman History* for candidates for the degree of Bachelor of Philosophy, Wilson Hall 2, 9 A. M. to 11 A. M.

*English and American History* for candidates for the degree of Bachelor of Philosophy, Wilson Hall 27, 9 A. M. to 11 A. M.

#### SATURDAY, JUNE 22

*English*, Wilson Hall 26, 9 A. M. to 11 A. M.

*German*, Wilson Hall 26, 12 M. to 2 P. M.

A second examination in each of the above branches will be offered on Saturday, Monday and Tuesday, September 14, 16 and 17, 1901, as follows:

#### SATURDAY, SEPTEMBER 14

*Algebra*, Wilson Hall 27, 9 A. M. to 11 A. M.

*Geometry*, Wilson Hall 27, 11 A. M. to 1 P. M.

*French*, Wilson Hall 2, 3 P. M. to 5 P. M.

## MONDAY, SEPTEMBER 16

*Greek*, Wilson Hall 2, 9 A. M. to 12.30 P. M.

*Latin*, Wilson Hall 25, 2 P. M. to 5.30 P. M.

*Greek and Roman History* for candidates for the degree of Bachelor of Philosophy, Wilson Hall 2, 9 A. M. to 11 A. M.

*English and American History* for candidates for the degree of Bachelor of Philosophy, Wilson Hall 27, 9 A. M. to 11 A. M.

## TUESDAY, SEPTEMBER 17

*English*, Wilson Hall 26, 9 A. M. to 11 A. M.

*German*, Wilson Hall 25, 2 P. M. to 4 P. M.

If desired, examinations will be appointed in cities remote from Providence. Correspondence on this subject should be addressed to the Registrar of the University.

Qualified members of the Freshman Class are matriculated at the beginning of the second term. Till matriculation, all candidates for degrees, however admitted, are regarded as on probation.

From certain approved schools students are admitted to the Freshman Class without examination upon the recommendation and certification of the principal.

In order to obtain the privilege of certification the principal of the school should make application to the Dean of the University, and should furnish satisfactory evidence that the course of study in the school meets the requirements for admission.

Blank forms for certification may be obtained from the Registrar.

When a student has attended more than one school, a letter of recommendation from the principal of the institution last attended should accompany the certificate.

Application for the privilege of certification should be made, if possible, before May 1st, and certificates should be sent to the Registrar by July 1st.

ENTRANCE REQUIREMENTS FOR CANDIDATES FOR THE  
DEGREE OF BACHELOR OF ARTS

Every candidate for the degree of Bachelor of Arts must, before entering, pass examinations in the following subjects, unless admitted by certificate, or admitted to advanced standing :

## MATHEMATICS

1. Algebra, through equations of the second degree.

Although candidates are not examined in Arithmetic, a knowledge of its fundamental principles and a careful training in accurate computations

with whole numbers and with vulgar and decimal fractions are regarded as essential parts of a preparatory course. Candidates are especially urged not to neglect this subject.

The requirement in Algebra includes the following subjects: factors, common divisors and multiples; fractions, ratios and proportions; negative quantities and the interpretation of negative results; the doctrine of exponents; radicals and equations involving radicals; the binomial theorem for positive integral powers of the binomial, and the extraction of roots; putting questions into equations and the reduction of equations; the ordinary methods of elimination, and the solution of both numerical and literal equations of the first and second degrees with one or more unknown quantities, and of problems leading to such equations; arithmetical and geometrical progression.

NOTE: It is very important that the student should acquire a thorough knowledge not only of the practice, but also of the reasons involved in the elementary algebraic rules. He should likewise be able to use readily the more important formulæ, as, for example, the quadratic formula.

## 2. Plane Geometry.

The requirement in Plane Geometry includes the propositions which are contained in the ordinary treatises, and which are recognized as constituting the elements of Geometry; original propositions and problems in mensuration.

NOTE: Teachers of Geometry should lay stress on accuracy of statement and elegance of form as well as on clear and strict reasoning. They should avoid mere memory work, and should take special care in the proof of a proposition that no lines be drawn unless their construction is proved to be possible.

The school curriculum ought to be so arranged that not a single term, much less a year, shall pass without some time being given to a mathematical subject. For a four-year course an average of two and one-half hours per week during that time will give the best results.

## ENGLISH

The examination in English consists of two parts; one to test the candidate's general reading, the other to bring out the results of his more careful study and practice. The entire examination occupies not less than two hours.

1. *Reading and Practice.* In this part the candidate must exhibit a good general knowledge of the subject-matter of each work, and answer simple questions on the lives of the authors. The usual form of examination is the writing of a paragraph or two on each of several topics, to be chosen by the candidate from a considerable number, perhaps ten or fifteen, named in the examination paper. This writing is intended to

test his power of clear and accurate expression. A candidate will not be accepted in English whose writing is seriously defective in spelling, punctuation, idiom or structure of sentence and paragraph. In place of a part of the written exercise, the candidate may, under special circumstances, be allowed to present an exercise book, properly certified by his instructor, containing compositions or other written work done in connection with the reading.

In 1901 and 1902 the books for this portion of the examination will be: Shakspeare's Merchant of Venice, Pope's Iliad, books i, vi, xxii and xxiv, the Sir Roger De Coverley Papers in the Spectator, Goldsmith's Vicar of Wakefield, Coleridge's Ancient Mariner, Scott's Ivanhoe, Cooper's Last of the Mohicans, Tennyson's Princess, Lowell's Vision of Sir Launfal, and George Eliot's Silas Marner.

In 1903, 1904 and 1905: Shakspeare's Merchant of Venice and Julius Cæsar, the Sir Roger De Coverley Papers in the Spectator, Goldsmith's Vicar of Wakefield, Coleridge's Ancient Mariner, Scott's Ivanhoe, Carlyle's Essay on Burns, Tennyson's Princess, Lowell's Vision of Sir Launfal, and George Eliot's Silas Marner.

2. *Study and Practice.* This part requires a more careful study of each of the works named. The examination covers subject-matter, form and structure, and, more particularly than Part 1, tests the candidate's ability to express his knowledge with clearness and accuracy.

In 1901, 1902, 1903, 1904 and 1905 the books for this portion of the examination will be: Shakspeare's Macbeth, Milton's Lycidas, Comus, L'Allegro and Il Penseroso, Burke's Speech on Conciliation with America, and Macaulay's Essays on Milton and Addison.

The candidate is encouraged to do reading parallel and subsidiary to the books mentioned above; he is recommended to commit to memory as much English poetry as possible, and to pay close attention to the essentials of grammar.

## GREEK

1. Authors: Xenophon's Anabasis entire, or four books of the Anabasis and three of Homer, regard being had not only to language but to subject-matter as well. Two books of the Hellenica may be offered in place of a like amount of the Anabasis; and preparation in Homer may be in either the Iliad or the Odyssey.

2. Grammar: A familiar knowledge of inflection, word-formation and ordinary syntax.

3. Composition: The first twenty-five exercises of Jones's Composition, or Allinson's Composition as far as part iii, or Collar and Daniell's entire, or other equivalent preparation in writing connected Greek prose.

4. History: The general history of Greece to the death of Alexander.



Candidates are expected to be able to translate at sight simple Attic prose, unusual words being defined, and to write in Greek simple connected narrative based upon the *Anabasis* or the *Hellenica*.

NOTE: Instructors in preparatory schools are urged to insist upon the use of simple and idiomatic English in the translation of Greek.

### LATIN

1. Cæsar, *Gallie War*, books i-iv, or books i-iii and Sallust's *Catiline*, with questions on the subject-matter and on grammar.

2. Ovid, twenty-five hundred lines.

3. Cicero, the *Orations* against *Catiline* and the *Oration* for *Archias*, with questions on the subject-matter and on grammar.

4. Vergil, *Æneid*, books i-vi, or books i-v and the *Eclogues*, with questions on the subject-matter and on prosody.

5. Translation at sight of ordinary passages from Cæsar, Cicero's *Orations*, Vergil's *Æneid* and Ovid's *Metamorphoses*, with questions on grammar, prosody, history and antiquities, suggested by the passages assigned.

6. Translation into Latin of simple English sentences.

7. Translation into Latin of a continuous passage of English narrative, prepared from some portion of the prescribed prose.

8. Outline of Roman geography, and of Roman history to the end of the reign of Marcus Aurelius.

NOTE: It is recommended that pupils be accustomed, from the beginning of their preparatory course to translate into Latin, both orally and in writing, passages prepared by the teacher on the basis of the prose authors read.

In pronouncing Latin, *ā* should be pronounced as in *father*, *ǣ* as in *Cuba*; *ē* as in *prey*, *ĕ* as in *men*; *ī* as in *machine*, *ĭ* as in *cigar*; *ō* as in *old*, *ŏ* as in *obey*; *ū* as in *rule*, *ŭ* as in *full*; *j* as *y* in *yard*; *c* always as *k* in *king*; *g* always as in *get*.

Instructors in preparatory schools are urged to insist upon the use of simple and idiomatic English in the translation of Latin.

### PRELIMINARY EXAMINATIONS IN THE CLASSICS

In the studies named below, candidates may be examined one year before the time at which they intend to apply for admission to the Freshman Class. These examinations will occur, in 1901, on Friday, June 21, and then only. They will be held as follows:

*Greek*, Wilson Hall 2, 9 to 11 A. M.

*Latin*, Wilson Hall 25, 1.30 to 3.30 P. M.

The subjects will be:

*Greek*.—1. Greek Grammar; 2. Three books of Xenophon's *Anabasis*.

*Latin*.—1. Latin Grammar; 2. *Cæsar*, or *Cæsar* and *Sallust*, as above;

3. Translation into Latin of simple sentences; 4. *Ovid* or *Cicero* or *Vergil*, as above.

## FRENCH OR GERMAN

Each candidate must pass examination upon a certain amount either of French or of German, as he chooses. Candidates who present German for entrance must continue German during their Freshman year, and must take French in their Sophomore year; candidates who present French must continue French in their Freshman year, and must take German in their Sophomore year; candidates who present both French and German may take their choice as to which they will continue in their Freshman year.

## FRENCH

For candidates who offer French the requirements are as follows:

1. Proficiency in elementary French grammar, implying, especially, familiarity with the following topics: inflection of nouns and adjectives in gender and number; the pronominal adjectives; the use of pronouns, especially the forms and positions of personal pronouns; the partitive constructions; the inflection of the regular verbs and of the more usual irregular verbs, such as *dire*, *faire*, and the classes represented by *ouvrir*, *sentir*, *venir*, *paraître*, *conduire* and *craindre*.

The mention of these topics is not to be understood as restrictive, but is meant rather to emphasize the importance of a thorough grounding of the pupil in those elements on which future good work necessarily depends. Mastery of Whitney's *Brief French Grammar* will be regarded as sufficient.

2. Ability to translate simple prose at sight.

NOTE: It is believed that the required facility can be gained by reading, concurrently with the grammar work, from two hundred to four hundred duodecimo pages, of at least three dissimilar works. Care should be taken not to read works assigned in the university courses.

3. Ability to pronounce French and to recognize French words and simple phrases when spoken.

NOTE: It is recommended that from the beginning careful attention be given to the fluent and intelligent pronunciation of the French texts used in the class-room.

## GERMAN

For candidates who offer German the requirements are as follows:

1. Proficiency in elementary German grammar, implying, especially, familiarity with the following topics: declension of such nouns as are readily classified and of adjectives and pronouns; conjugation of weak and of the more usual strong verbs; the commoner prepositions; the simpler uses of the modal auxiliaries; the simpler rules of syntax and of word order.

The mention of these topics is not to be understood as restrictive, but is meant rather to emphasize the importance of a thorough grounding of the pupil in those elements on which future good work depends. Mastery of Whitney's Brief German Grammar will be regarded as sufficient.

2. Ability to translate a passage of simple prose at sight, when a vocabulary of the less usual words is furnished.

NOTE: It is believed that the required facility can be gained by reading, concurrently with the grammar work, two hundred duodecimo pages of easy German, chiefly narrative prose, with a few lyric poems. Care should be taken not to read works assigned in the university courses.

3. Ability to pronounce German and to recognize German words and simple phrases when spoken.

NOTE: It is recommended that from the beginning careful attention be given to the fluent and intelligent pronunciation of the German texts used in the class-room.

## ENTRANCE REQUIREMENTS FOR CANDIDATES FOR THE DEGREE OF BACHELOR OF PHILOSOPHY

Every candidate for the degree of Bachelor of Philosophy must, before entering, pass examinations in the following subjects, unless admitted by certificate, or admitted to advanced standing:

### MATHEMATICS

The same requirement as for candidates for the degree of Bachelor of Arts, as stated on pages 31-32.

### ENGLISH

The same requirement as for candidates for the degree of Bachelor of Arts, as stated on pages 32-33.



## FRENCH OR GERMAN

The same requirement as for candidates for the degree of Bachelor of Arts, as stated on pages 35-36.

## LATIN

The same requirement as for candidates for the degree of Bachelor of Arts, as stated on pages 34-35.

## SUBSTITUTES FOR LATIN

Instead of the requirement in Latin the following may be offered by candidates who are nineteen years of age or over, and who have pursued a course of study equivalent to that offered in a good high school or academy for graduation.

1. *Minor Requirement in Latin.* Five books of Cæsar or its equivalent in Cicero, Vergil or other standard authors. Students offering this smaller amount of Latin cannot pursue any Latin courses in college.

2. *Greek.* The same requirement as for candidates for the degree of Bachelor of Arts, as stated on pages 33-34.

3. *German.* The same requirement as for candidates for the degree of Bachelor of Arts, as stated on page 36, *if French also is presented.*

4. *French.* The same requirement as for candidates for the degree of Bachelor of Arts, as stated on page 35, *if German also is presented.*

## HISTORY

Either the general history of Greece to the death of Alexander, and Roman history to the end of the reign of Marcus Aurelius; or the general history of England and of the United States.

ENTRANCE REQUIREMENTS FOR CANDIDATES FOR THE  
DEGREE OF BACHELOR OF SCIENCE

Every candidate for the degree of Bachelor of Science must, before entering, pass examinations in the following subjects, unless admitted by certificate or admitted to advanced standing :

## MATHEMATICS

1. The same requirement as for candidates for the degree of Bachelor of Arts as stated on pages 31-32.

*Also :*

2. Solid and Spherical Geometry.

3. Plane Trigonometry, with the use of logarithmic and trigonometric tables.

## ENGLISH

The same requirement as for candidates for the degree of Bachelor of Arts as stated on pages 32-33.

## FRENCH OR GERMAN

The same requirement as for candidates for the degree of Bachelor of Arts as stated on pages 35-36.

## LATIN

Five books of Cæsar or the equivalent thereof in Cicero or Vergil.

## SUBSTITUTES FOR LATIN

Substitute 3 or 4 as offered to candidates for the degree of Bachelor of Philosophy as stated on page 37.

## HISTORY

The same requirement as for candidates for the degree of Bachelor of Philosophy as stated on page 37.

ENTRANCE REQUIREMENTS FOR CANDIDATES FOR THE  
DEGREE OF CIVIL ENGINEER OR OF MECHANICAL  
ENGINEER

## MATHEMATICS

The same requirement as for candidates for the degree of Bachelor of Arts as stated on pages 31-32.

## ENGLISH

The same requirement as for candidates for the degree of Bachelor of Arts as stated on pages 32-33.

## FRENCH OR GERMAN

The same requirement as for candidates for the degree of Bachelor of Arts as stated on pages 35-36.

## ADDITIONAL REQUIREMENTS AFTER 1901

In 1902 candidates for these degrees will be required to offer, in addition to the above, Solid and Spherical Geometry, Freehand Drawing, and either the second of the modern languages above mentioned or Chemistry.

In Freehand Drawing candidates will be required to show ability to execute neatly and accurately some simple style of lettering; to make free-hand orthographic and perspective sketches of models ranging in difficulty from cubes and cylinders to the separate parts of complicated machines; and to shade drawings of models bounded by planes and by singly and doubly curved surfaces. Candidates should submit to the head of the department of Drawing a complete set of drawings made under the supervision of a teacher of drawing and properly certified by him.

In Chemistry candidates will be expected to have a good knowledge of the non-metals and their principal combinations, the metals and their principal salts, the more important topics of chemical philosophy, chemical nomenclature and notation, and the ordinary methods of stoichiometry. Candidates should have personally performed about 100 simple chemical experiments, (those in Appleton's *Young Chemist* are mentioned as illustrations, but equivalents will be accepted). Each candidate is requested to submit his manuscript notes, or reports of his work. It is supposed that a course accomplishing the preparation above outlined will require an amount of time equivalent to three hours a week for one school year.

## ADMISSION TO ADVANCED STANDING

Candidates for admission to advanced standing, unless coming from institutions of collegiate rank, are examined in the studies required for entrance to Brown University (unless admitted on certificate, see page 31) and in those already pursued by the class which they desire to enter.

Candidates coming from institutions of collegiate rank will receive due credit for their previous work, upon presentation of an official certificate of standing.

Every candidate must present a letter of honorable dismissal from the institution last attended.

Formal application for admission should be made to the Deau of the University, and should be sent, if possible, before August 1st.

The examinations for 1901 will be held on Monday and Tuesday, September 16 and 17. Candidates must report at the Registrar's Office at 9 A. M. on Monday, September 16.

## ADMISSION TO SPECIAL COURSES

The various courses of study in the University, both graduate and undergraduate, are open to mature men of good character who have had the training requisite to pursue them with profit. This privilege is intended for those who wish to take advantage of the instruction offered in special branches without pursuing the full course of study required of candidates for a degree; but all students who can do so are advised to matriculate for a degree.

Students who withdraw from a preparatory school before completing its course of study are not admitted as special students unless the principal of the school cordially approves such action. Every student must present testimonials of character and ability from the last school or college he has attended, unless a long interval has elapsed since he was connected with such institution.

A special student must satisfy the officers of instruction by examination or otherwise of his fitness to take the courses desired. He is subject to the same regulations as to attendance and examinations as a candidate for a degree, and must take fifteen hours of class room work a week, unless for satisfactory reasons he receives a smaller assignment. On leaving the University a special student who desires a formal certificate of his attainments may receive it. No one will be allowed to abuse the privilege here offered by making it a means of securing a merely nominal connection with the University.

## UNDERGRADUATE COURSES

The studies for undergraduates are partly required and partly elective. In the Freshman year the studies are nearly all required, the main exception being that candidates for the degree of Bachelor of Philosophy or of Bachelor of Science have a choice of courses, according as they do or do not wish to pursue an ancient language. The required studies of the Freshman year are selected for disciplinary value in preparation for the studies of subsequent years. Candidates for the degree of Bachelor of Arts or of Bachelor of Philosophy are, during the last three years, allowed large liberty in the choice of studies. Candidates for the degree of Bachelor of Science are allowed less freedom of election, in order that they may thoroughly master the branches necessary to a proper equipment in science; while candidates for the strictly professional degree of Civil Engineer or of Mechanical Engineer are (with the single exception noted on page 52) allowed no option.

The elective studies are so placed in the curriculum as to give all the freedom of choice which the necessary limitations of the schedule of lectures admit. In arranging this schedule a number of parallel courses, each unitary and progressive and extending through the last three years, are made available. Every student is advised, in selecting his studies, to adopt such a course, in order to make his work systematic and connected.

Students who wish to give their work definiteness and unity will find helpful suggestions in the lists of "Courses Preparatory to Professional Studies," set forth in later pages of this Catalogue.

# COURSES OF INSTRUCTION ARRANGED ACCORDING TO YEARS AND TERMS

## FOR CANDIDATES FOR THE DEGREE OF BACHELOR OF ARTS

### I. PRESCRIBED COURSES

#### FRESHMAN YEAR

<i>First Term</i>	<i>Second Term</i>	<i>Third Term</i>
Greek 1	Greek 2	Greek 3
Latin 1	Latin 2	Latin 3
*French 1 or German 4	French 2 or German 6	French 3 or German 8
Mathematics 1	Mathematics 3	Mathematics 2
	Gymnasium	

#### SOPHOMORE YEAR

English 1, 4 hrs, or English 1, 3 hrs, and 13, 1 hr	English 2, 4 hrs, or English 2, 3 hrs, and 14, 1 hr.	English 3, 4 hrs, or English 3, 3 hrs, and 15, 1 hr
German 1 or French A	German 2 or French B	German 3 or French C
Electives, nine hours	Gymnasium Electives, nine hours	Electives, nine hours

#### JUNIOR YEAR

English 4	English 5	English 6
History 1	History 2	Electives, fifteen
Electives, † twelve hours	Gymnasium Electives, twelve hours	hours

#### SENIOR YEAR

With the exception of Gymnasium practice, the work of the Senior year consists entirely of elective studies, fifteen hours per week.

\*Students who pursue French 1, 2, 3 during the Freshman year must take German during the Sophomore year; those who pursue German 4, 6, 8 during the Freshman year must take French during the Sophomore year. This note applies also to the courses for all other degrees.

†Every candidate for the degree of Bachelor of Arts must take before graduation some one complete course in Philosophy.

## II. ELECTIVE COURSES

## FIRST TERM

Philosophy 19 Sr. Jr.	Music 7* Sr.	French 4* So. Jr. Sr.
" 36* Jr.	" 10* Jr. Sr.	" 13 So. Jr. Sr.
" 2 Jr.	Philology 4 Jr. Sr.	" 28 Jr. Sr.
" 20 Sr.	" 7* Sr.	" 31* Jr. Sr.
" 29 Jr. Sr.	Greek 4 So.	" 34* Sr.
" 39	" 7* Jr. Sr.	Italian 1 So. Jr.
" 8 Jr. Sr.	" 10* Jr. Sr.	" 10* Jr. Sr.
" 5 Sr.	" 13* Jr. Sr.	Comparative Literature 1 Jr. Sr.
" 33 Sr.	" 16 Jr. Sr.	Spanish 1 So. Jr.
Pedagogy 1 Sr.	" 28* Jr. Sr.	Hebrew 1 Jr. Sr.
History 15 Jr. Sr.	" 41* Sr.	" 10 Sr.
" 4 Jr. Sr.	" 34 Sr.	Assyrian 1 Jr. Sr.
" 7 Sr.	" 25* Sr.	Arabic 1 Jr. Sr.
" 14 Sr.	" 32 Sr.	New Testament 1 Jr. Sr.
Social Science 12 So. Jr. Sr.	Latin 4 So.	New Testament 7* Jr. Sr.
Social Science 10 Jr. Sr.	" 7* Jr. Sr.	Biblical Literature 4 So. Jr. Sr.
Social Science 5* Jr. Sr.	" 11 Jr. Sr.	Biblical Literature 1* So. Jr. Sr.
Political Science 3 Jr. Sr.	" 37 So. Jr. Sr.	Mathematics 9 So. Jr. Sr.
Political Science 4 Jr. Sr.	" 10 Jr. Sr.	Mathematics 13 So. Jr. Sr.
Political Science 5 Jr. Sr.	" 31* Jr. Sr.	Mathematics 15 Jr. Sr.
Political Science 13* Jr. Sr.	" 16* Jr. Sr.	" 18* Sr.
Political Science 1* Jr. Sr.	" 19* Sr.	" 21 Sr.
Elementary Law 1 Jr. Sr.	" 22* Sr.	Drawing 16 So. Jr. Sr.
Elementary Law 4* Jr. Sr.	English 7* So. Jr. Sr.	" 7 So. Jr. Sr.
Elementary Law 9* Jr. Sr.	" 10 Jr. Sr.	" 10 Jr. Sr.
Political Economy 13 Jr. Sr.	" 13 Fr. So. Jr. Sr.	" 27 Sr.
Political Economy 6 Jr. Sr.	" 16 So. Jr. Sr.	" 15 So. Jr. Sr.
Political Economy 15 Jr. Sr.	" 19 So. Jr. Sr.	" 13 So. Jr. Sr.
History of Art 1 Jr. Sr.	" 22* Jr. Sr.	Civil Engineering 1 So. Jr. Sr.
History of Art 7 Jr. Sr.	" 25 So. Jr. Sr.	Civil Engineering 5, 5a Jr. Sr.
Music 1 So. Jr. Sr.	" 28 Jr. Sr.	Civil Engineering 19 Sr.
" 4 Jr. Sr.	" 31 Jr. Sr.	Civil Engineering 29 Sr.
	" 34* Jr. Sr.	Civil Engineering 30 Sr.
	" 37 Jr. Sr.	Mechanical Engineering 1 So. Jr. Sr.
	" 40 Jr. Sr.	Mechanical Engineering 3 Sr.
	" 43 Jr. Sr.	
	" 46 Jr. Sr.	
	" 49* Jr. Sr.	
	" 52* Jr. Sr.	
	" 55 Jr. Sr.	
	" 58* Jr. Sr.	
	" 61 Jr. Sr.	
	" 64 Sr.	
	German 4 Jr. Sr.	
	" 46 So. Jr. Sr.	
	" 16 So. Jr. Sr.	
	" 40 So. Jr. Sr.	
	" 10 So. Jr. Sr.	



Mechanical Engineering 6 Sr.	Physics 33 Sr.	Comparative Anatomy 3 So. Jr. Sr.
Mechanical Engineering 10-18 So. Jr. Sr.	" 13 Sr.	Comparative Anatomy 16 Jr. Sr.
Mechanics 3 So. Jr. Sr.	" 17 Sr.	Comparative Anatomy 19 Jr. Sr.
" 7 Jr. Sr.	" 26 Sr.	Comparative Anatomy 31* Jr. Sr.
Astronomy 1 Jr. Sr.	Chemistry 1 So.	Botany 1 So. Jr. Sr.
" 3 Jr. Sr.	" 4 Jr.	" 4 So. Jr. Sr.
" 8 Sr.	" 7 Sr.	" 7 Jr. Sr.
Physics 1 So. Jr. Sr.	" 10 Sr.	
" 5 Jr. Sr.	Geology 1 Sr.	
" 11 Jr. Sr.	" 5 Sr.	
	Comparative Anatomy 15 Fr. So. Jr. Sr.	

## SECOND TERM

Philosophy 27 So. Jr.	Elementary Law 7 Jr. Sr.	Latin 23* Sr.
" 37* Jr.	"	English 8* So. Jr. Sr.
" 3 Jr.	Political Economy 14 Jr. Sr.	" 11 Jr. Sr.
" 21 Sr.	Political Economy 5 Jr. Sr.	" 14 Fr. So. Jr. Sr.
" 30 Jr. Sr.	Political Economy 16 Jr. Sr.	English 17 So. Jr. Sr.
" 40 Sr.	History of Art 4 Jr. Sr.	" 20 So. Jr. Sr.
" 9 Jr. Sr.	" " " 9 Jr. Sr.	" 23* Jr. Sr.
" 23 Sr.	Music 2 So. Jr. Sr.	" 26 So. Jr. Sr.
" 26* Sr.	" 5 Jr. Sr.	" 29 Jr. Sr.
" 17 Sr.	" 8* Sr.	" 32 Jr. Sr.
" 34 Sr.	" 14 Jr. Sr.	" 35* Jr. Sr.
Pedagogy 2 Sr.	" 11* Jr. Sr.	" 38 Jr. Sr.
History 11 Jr. Sr.	Philology 8* Sr.	" 41 Jr. Sr.
" 5 Jr. Sr.	" 5 Jr. Sr.	" 44 Jr. Sr.
" 8 Sr.	Greek 5 So.	" 47* Jr. Sr.
" 14 Sr.	" 8* Jr. Sr.	" 50 Jr. Sr.
Social Science 2 Jr. Sr.	" 11* Jr. Sr.	" 53* Jr. Sr.
Social Science 1* Jr. Sr.	" 14* Jr. Sr.	" 56 Jr. Sr.
Political Science 12 So. Jr. Sr.	" 17 Jr. Sr.	" 59* Jr. Sr.
Political Science 7 Jr. Sr.	" 23 So. Jr. Sr.	" 62 Jr. Sr.
Political Science 2 Jr. Sr.	" 44* Jr. Sr.	" 65 Sr.
Political Science 6 Jr. Sr.	" 43 So. Jr. Sr.	German 6 Jr. Sr.
Political Science 14* Jr. Sr.	" 26* Sr.	" 47 So. Jr. Sr.
Political Science 17* Jr. Sr.	" 33 Sr.	" 17 So. Jr. Sr.
Elementary Law 2 Jr. Sr.	" 35 Sr.	" 41 So. Jr. Sr.
Elementary Law 7* Jr. Sr.	" 42* Sr.	" 11 So. Jr. Sr.
Elementary Law 5* Jr. Sr.	Latin 5 So.	French 5* So. Jr. Sr.
	" 8* Jr. Sr.	" 14 So. Jr. Sr.
	" 12 Jr. Sr.	" 29 Jr. Sr.
	" 38 So. Jr. Sr.	" 32* Jr. Sr.
	" 14 Jr. Sr.	" 35* Sr.
	" 32* Jr. Sr.	Italian 2 So. Jr.
	" 17* Jr. Sr.	" 11* Jr. Sr.
	" 20* Sr.	Comparative Literature 2 Jr. Sr.
		Spanish 2 So. Jr.

\* Not offered in 1900-1901.



Hebrew 2 Jr. Sr.	Civil Engineering 6	Physics 14 Sr.
" 11 Sr.	Jr. Sr.	" 18 Sr.
Aramaic 1 Sr.	Civil Engineering 10	" 20 Sr.
Assyrian 2 Jr. Sr.	Jr. Sr.	" 27 Sr.
Arabic 2 Jr. Sr.	Civil Engineering 15	" 30 Jr. Sr.
New Testament 2 Jr. Sr.	Sr.	Chemistry 2 So.
New Testament 6* Jr. Sr.	Civil Engineering 16	" 5 Jr.
Biblical Literature 5 So. Jr. Sr.	Sr.	" 8 Sr.
Biblical Literature 2* So. Jr. Sr.	Civil Engineering 20	" 11 Sr.
Mathematics 10 So. Jr. Sr.	Sr.	" 13 Sr.
Mathematics 14 So. Jr. Sr.	Civil Engineering 31	" 17 Sr.
Mathematics 16 Jr. Sr.	Sr.	Zoölogy 1 Jr. Sr.
Mathematics 19* Sr.	Mechanical Engineering 4 Sr.	Geology 2 Sr.
" 22 Sr.	Mechanical Engineering 7 Sr.	Comparative Anatomy 1 Fr. So. Jr. Sr.
Drawing 17 So. Jr. Sr.	Mechanical Engineering 10-18 So. Jr. Sr.	Comparative Anatomy 4 So. Jr. Sr.
" 8 So. Jr. Sr.	Mechanics 4 So. Jr. Sr.	Comparative Anatomy 17 Jr. Sr.
" 11 Jr. Sr.	" 8 Jr. Sr.	Comparative Anatomy 20 Jr. Sr.
" 28 Sr.	Astronomy 2 Jr. Sr.	Comparative Anatomy 9 Jr. Sr.
" 19 So. Jr. Sr.	" 4 Jr. Sr.	Comparative Anatomy 32* Jr. Sr.
Civil Engineering 2 So. Jr. Sr.	" 9 Sr.	Botany 2 So. Jr. Sr.
	Physics 2* So. Jr. Sr.	" 5 So. Jr. Sr.
	" 32 So. Jr. Sr.	" 12 Jr. Sr.
	" 9 Jr. Sr.	
	" 12 Jr. Sr.	
	" 34 Sr.	

## THIRD TERM

Philosophy 43 So. Jr.	Political Science 11	History of Art 8 Jr. Sr.
" 38* Jr.	Jr. Sr.	Music 3 So. Jr. Sr.
" 4 Jr.	Political Science 19	" 6 Jr. Sr.
" 22 Sr.	Jr. Sr.	" 9* Sr.
" 31 Jr. Sr.	Political Science 16	" 15 Jr. Sr.
" 41 Sr.	Jr. Sr.	" 12* Jr. Sr.
" 10 Jr. Sr.	Political Science 15*	" 13 Jr. Sr.
" 24 Sr.	Jr. Sr.	Philology 6 Jr. Sr.
" 35 Sr.	Political Science 18*	" 9* Sr.
" 44 Sr.	Jr. Sr.	Greek 6 So.
Pedagogy 3 Sr.	Elementary Law 3 Jr. Sr.	" 9* Jr. Sr.
History 3 Jr. Sr.	Elementary Law 8*	" 12* Jr. Sr.
" 16* Jr. Sr.	Jr. Sr.	" 15* Jr. Sr.
" 18 Jr. Sr.	Elementary Law 6*	" 18 Jr. Sr.
" 6 Jr. Sr.	Jr. Sr.	" 24 So. Jr. Sr.
" 9 Sr.	Political Economy 12	" 45* Jr. Sr.
" 14 Sr.	So. Jr. Sr.	" 36 Sr.
Social Science 3 Jr. Sr.	Political Economy 17	Latin 6 So.
" 4* Jr. Sr.	Jr. Sr.	" 9* Jr. Sr.
" 11* Jr. Sr.	History of Art 6 Jr. Sr.	" 13 Jr. Sr.
" 13* Jr. Sr.	Sr.	" 39 So. Jr. Sr.

Latin 15 Jr. Sr.	New Testament 5 Jr. Sr.	Mechanical Engineering 5 Sr.
" 33* Jr. Sr.	New Testament 3* Jr. Sr.	Mechanical Engineering 8 Sr.
" 18* Jr. Sr.	Biblical Literature 6 So. Jr. Sr.	Mechanical Engineering 10-18 So. Jr. Sr.
" 21* Sr.	Biblical Literature 3* So. Jr. Sr.	Mechanics 6 So. Jr. Sr.
" 24* Sr.	Mathematics 8 So. Jr. Sr.	Astronomy 6 Jr. Sr.
English 9* So. Jr. Sr.	Mathematics 11 So. Jr. Sr.	" 5 Jr. Sr.
" 12 Jr. Sr.	Mathematics 30* So. Jr. Sr.	" 10 Sr.
" 15 Fr. So. Jr. Sr.	Mathematics 12 So. Jr. Sr.	Physics 4 So. Jr. Sr.
" 18 So. Jr. Sr.	Mathematics 31 So. Jr. Sr.	" 10 Jr. Sr.
" 21 So. Jr. Sr.	Mathematics 20* Sr.	" 15 Jr. Sr.
" 24* Jr. Sr.	" 23 Sr.	" 35 Sr.
" 27 So. Jr. Sr.	Drawing 18 So. Jr. Sr.	" 16 Sr.
" 30 Jr. Sr.	" 14 So. Jr. Sr.	" 19 Sr.
" 33 Jr. Sr.	" 9 So. Jr. Sr.	" 21 Sr.
" 36* Jr. Sr.	" 12 Jr. Sr.	" 28 Sr.
" 39 Jr. Sr.	" 20 So. Jr. Sr.	" 31 Jr. Sr.
" 42 Jr. Sr.	Civil Engineering 3 So. Jr. Sr.	Chemistry 3 So.
" 45 Jr. Sr.	Civil Engineering 8, 8a So. Jr. Sr.	" 6 Jr.
" 48* Jr. Sr.	Civil Engineering 7 Jr. Sr.	" 9 Sr.
" 51 Jr. Sr.	Civil Engineering 11 Jr. Sr.	" 12 Sr.
" 54* Jr. Sr.	Civil Engineering 17 Jr. Sr.	" 14 Sr.
" 57 Jr. Sr.	Civil Engineering 18 So. Jr. Sr.	" 18 Sr.
" 60* Jr. Sr.	Civil Engineering 21 Sr.	" 20 Sr.
" 63 Jr. Sr.	Civil Engineering 28 Jr. Sr.	Zoölogy 2 Jr. Sr.
" 66 Sr.	Civil Engineering 32 Sr.	" 3 Jr. Sr.
German 8 Jr. Sr.	Mechanical Engineering 9 Jr. Sr.	Anthropology 1 Sr.
" 48 So. Jr. Sr.		Comparative Anatomy 2 Fr. So. Jr. Sr.
" 18 So. Jr. Sr.		Comparative Anatomy 10 So. Jr. Sr.
" 42 So. Jr. Sr.		Comparative Anatomy 30 Jr. Sr.
" 12 So. Jr. Sr.		Comparative Anatomy 18 Jr. Sr.
French 6* So. Jr. Sr.		Comparative Anatomy 21 Jr. Sr.
" 15 So. Jr. Sr.		Comparative Anatomy 33* Jr. Sr.
" 30 Jr. Sr.		Botany 3 So. Jr. Sr.
" 33* Jr. Sr.		" 14 So. Jr. Sr.
" 36* Sr.		" 9 Jr. Sr.
Italian 3 So. Jr.		Bibliography 1 Jr. Sr.
" 12* Jr. Sr.		
Comparative Literature 3 Jr. Sr.		
Spanish 3 So. Jr.		
Hebrew 3 Jr. Sr.		
" 12 Sr.		
Syriac 1 Sr.		
Assyrian 3 Jr. Sr.		
Arabic 3 Jr. Sr.		

\* Not offered in 1900-1901.

## FOR CANDIDATES FOR THE DEGREE OF BACHELOR OF PHILOSOPHY

### I. PRESCRIBED COURSES

#### FRESHMAN YEAR

<i>First Term</i>	<i>Second Term</i>	<i>Third Term</i>
Mathematics 1	Mathematics 3	Mathematics 2
*French 1 or German 4	French 2 or German 6	French 3 or German 8
English 1, 4 hrs, or	English 2, 4 hrs, or	English 3, 4 hrs, or
English 1, 3 hrs, and	English 2, 3 hrs, and	English 3, 3 hrs, and
13, 1 hr	14, 1 hr	15, 1 hr
	Gymnasium	
and one of the following: †		
Botany 1	Botany 2	Botany 3
Drawing 1	Drawing 5	Drawing 6
Greek 1	Greek 2	Greek 3
Latin 1	Latin 2	Latin 3
Comparative Anatomy	Comparative Anatomy	Comparative Anatomy
15	1	2

#### SOPHOMORE YEAR

German 1 or French A	German 2 or French B	German 3 or French C
Electives, twelve hrs	Gymnasium	Electives, twelve hrs
	Electives, twelve hrs	

#### JUNIOR YEAR

English 4	English 5	English 6
History 1	History 2	Electives, fifteen
Electives, ‡ twelve	Gymnasium	hours
hours	Electives, twelve hrs	

#### SENIOR YEAR

With the exception of Gymnasium practice the work of the Senior year consists entirely of elective studies, fifteen hours per week.

### II. ELECTIVE COURSES

Same as for candidates for the degree of Bachelor of Arts. See list on pages 43-46.

\* See note, p. 42.

† Freshmen whose entrance work is complete may carry Drawing 2, 3, 4 as an extra study.

‡ Every candidate for the degree of Bachelor of Philosophy must take before graduation some one complete course in Philosophy.

## FOR CANDIDATES FOR THE DEGREE OF BACHELOR OF SCIENCE

### I. PRESCRIBED COURSES

#### FRESHMAN YEAR

<i>First Term</i>	<i>Second Term</i>	<i>Third Term</i>
Mathematics 4, 5	Mathematics 6	Mathematics 7
Mathematics 9	Mathematics 10	Mathematics 12
*French 1 or German 4	French 2 or German 6	French 3 or German 8
English 1, 4 hrs, or	English 2, 4 hrs, or	English 3, 4 hrs, or
English 1, 3 hrs, and	English 2, 3 hrs, and	English 3, 3 hrs, and
13, 1 hr	14, 1 hr	15, 1 hr
	Gymnasium	

and one of the following :

Botany 1	Botany 2	Botany 3
Drawing 1	Drawing 5	Drawing 6
Comparative Anatomy	Comparative Anatomy	Comparative Anatomy
15	1	2

#### SOPHOMORE YEAR

German 1 or French A	German 2 or French B	German 3 or French C
Physics 1	Physics 2	Physics 4
Chemistry 1	Chemistry 2	Chemistry 3
Electives, six hours	Gymnasium	Electives, six hours
	Electives, six hours	

#### JUNIOR YEAR

English 4	English 5	English 6
History 1	History 2	Electives, fifteen
Electives, † twelve	Gymnasium	hours
hours	Electives, twelve	
	hours	

#### SENIOR YEAR

With the exception of Gymnasium practice, the work of the Senior year consists of fifteen hours of electives per week.

\*See note, p. 42.

† Every candidate for the degree of Bachelor of Science must take before graduation some one complete course in Philosophy.

## II. ELECTIVE COURSES

## FIRST TERM

Mathematics 13 So. Jr. Sr.	Comparative Anatomy 15 So. Jr. Sr.	Philosophy 2 Jr. Sr.
Mathematics 15 Jr. Sr.	Comparative Anatomy 3 So. Jr. Sr.	" 20 Sr.
" 21 Sr.	Comparative Anatomy 16 Jr. Sr.	" 29 Jr. Sr.
Civil Engineering 1 So. Jr.	Comparative Anatomy 19 Jr. Sr.	" 39 Sr.
Civil Engineering 5, 5a, Jr. Sr.	Mechanics 3 So. Jr. Sr.	" 8 Jr. Sr.
Civil Engineering 19 Sr.	" 7 Jr. Sr.	" 5 Sr.
Civil Engineering 29 Sr.	Astronomy 1 Jr. Sr.	" 33 Sr.
Civil Engineering 30 Sr.	" 3 Jr. Sr.	English 16 So. Jr. Sr.
Mechanical Engineering 1 So. Jr. Sr.	" 8 Sr.	" 25 So. Jr. Sr.
Mechanical Engineering 3 Sr.	Chemistry 4 Jr. Sr.	Social Science 12 So. Jr. Sr.
Mechanical Engineering 6 Sr.	" 7 Sr.	Social Science 10 Jr. Sr.
Mechanical Engineering 10-18 So. Jr. Sr.	" 10 Sr.	Political Science 3 Jr. Sr.
French 13 So. Jr. Sr.	Physics 5 Jr. Sr.	Political Science 4 Jr. Sr.
" 28 Jr. Sr.	" 11 Jr. Sr.	Sr.
German 4 So. Jr. Sr.	" 33 Sr.	Political Science 5 Jr. Sr.
Botany 1 So. Jr. Sr.	" 13 Sr.	Political Economy 6 Jr. Sr.
" 4 So. Jr. Sr.	" 17 Sr.	Political Economy 15 Jr. Sr.
" 7 Jr. Sr.	" 26 Jr. Sr.	Political Science 13 Jr. Sr.
	" 29 Sr.	Sr.
	Spanish 1 So. Jr. Sr.	Geology 1 Sr.
	Italian 1 So. Jr. Sr.	" 5 Sr.
	History 4 Jr. Sr.	Pedagogy 1 Sr.
	" 7 Sr.	
	Philosophy 19 So. Jr.	

## SECOND TERM

Mathematics 14 So. Jr.	Mechanical Engineering 10-18 So. Jr. Sr.	Astronomy 4 Jr. Sr.
" 22 Jr. Sr.	French 14 So. Jr. Sr.	" 9 Sr.
" 16 Jr. Sr.	" 29 Jr. Sr.	Chemistry 5 Jr. Sr.
Civil Engineering 2 So. Jr.	German 6 So. Jr. Sr.	" 8 Sr.
Civil Engineering 6 Jr. Sr.	Botany 2 So. Jr. Sr.	" 11 Sr.
Civil Engineering 10 Jr. Sr.	" 5 So. Jr. Sr.	" 13 Sr.
Civil Engineering 15 Sr.	" 12 Jr. Sr.	" 17 Sr.
Civil Engineering 16 Jr. Sr.	Comparative Anatomy 1 So. Jr. Sr.	Physics 9 Jr. Sr.
Civil Engineering 20 Sr.	Comparative Anatomy 4 So. Jr. Sr.	" 12 Jr. Sr.
Civil Engineering 31 Sr.	Comparative Anatomy 17 Jr. Sr.	" 34 Sr.
Mechanical Engineering 4 Sr.	Comparative Anatomy 20 Jr. Sr.	" 14 Sr.
Mechanical Engineering 8 Sr.	Comparative Anatomy 9 Jr. Sr.	" 18 Sr.
	Mechanics 4 So. Jr. Sr.	" 20 Sr.
	" 8 Jr. Sr.	" 27 Sr.
	Astronomy 2 Jr. Sr.	" 30 Sr.
		Spanish 2 So. Jr. Sr.
		Italian 2 So. Jr. Sr.
		History 5 Jr. Sr.
		" 8 Sr.
		Philosophy 27 So. Jr.
		" 3 Jr.

Philosophy 21 Sr.	English 26 So. Jr. Sr.	Political Economy 5
" 30 Jr. Sr.	Social Science 2 Jr. Sr.	Jr. Sr.
" 40 Sr.	Political Science 12	Political Economy 16
" 9 Jr. Sr.	So. Jr. Sr.	Jr. Sr.
" 23 Sr.	Political Science 7 Jr.	Political Economy 14
" 17 Sr.	Sr.	Geology 2 Sr.
" 34 Sr.	Political Science 2 Jr.	Zoölogy 1 Jr. Sr.
English 17 So. Jr. Sr.	Sr.	Pedagogy 2 Sr.

## THIRD TERM

Mathematics 11 So. Jr. Sr.	French 30 Jr. Sr.	Physics 31 Jr. Sr.
Mathematics 8 So. Jr. Sr.	German 8 So. Jr. Sr.	Spanish 3 So. Jr. Sr.
Mathematics 23 Sr.	Botany 3 So. Jr. Sr.	Italian 3 So. Jr. Sr.
" 31 Jr. Sr.	" 9 Jr. Sr.	History 6 Jr. Sr.
Civil Engineering 3	" 14 Jr. Sr.	" 9 Sr.
So. Jr.	Comparative Anatomy	Philosophy 43 So. Jr.
Civil Engineering 8,	2 So. Jr. Sr.	" 4 Jr.
8a, So. Jr. Sr.	Comparative Anatomy	" 31 Jr. Sr.
Civil Engineering 7	10 So. Jr. Sr.	" 22 Sr.
Jr. Sr.	Comparative Anatomy	" 41 Sr.
Civil Engineering 11	30 Jr. Sr.	" 10 Jr. Sr.
Jr. Sr.	Comparative Anatomy	" 24 Sr.
Civil Engineering 17	18 Jr. Sr.	" 35 Sr.
Jr. Sr.	Comparative Anatomy	" 44 Sr.
Civil Engineering 18	21 Jr. Sr.	English 16 So. Jr. Sr.
So. Jr. Sr.	Mechanics 6 So. Jr. Sr.	" 27 Jr. Sr.
Civil Engineering 21	Astronomy 6 Jr. Sr.	Social Science 3 Jr. Sr.
Sr.	" 5 Jr. Sr.	Political Science 11 Jr.
Civil Engineering 28	" 10 Sr.	Sr.
Sr.	Chemistry 6 Jr. Sr.	Political Science 19 Jr.
Civil Engineering 32	" 9 Sr.	Sr.
Sr.	" 12 Sr.	Political Science 16 Jr.
Mechanical Engineer-	" 14 Sr.	Sr.
ing 9 Jr. Sr.	" 18 Sr.	Political Economy 12
Mechanical Engineer-	" 20 Sr.	So. Jr. Sr.
ing 5 Sr.	Physics 10 Jr. Sr.	Political Economy 17
Mechanical Engineer-	" 15 Jr. Sr.	Jr. Sr.
ing 8 Sr.	" 16 Sr.	Geology 3 Sr.
Mechanical Engineer-	" 35 Sr.	Anthropology 1 Sr.
ing 10-18 So. Jr. Sr.	" 19 Sr.	Zoölogy 2 Jr. Sr.
French 15 So. Jr. Sr.	" 21 Sr.	" 3 Jr. Sr.
	" 28 Sr.	Pedagogy 3 Sr.

## FOR CANDIDATES FOR THE DEGREE OF CIVIL ENGINEER

### FRESHMAN YEAR

<i>First Term</i>	<i>Second Term</i>	<i>Third Term</i>
Mathematics 1	Mathematics 3	Mathematics 2
*French 1 or German 4	French 2 or German 6	French 3 or German 8
Drawing 2	Drawing 3	Drawing 4
Drawing 1	Drawing 5	Drawing 6
English 1	English 2	English 3
Civil Engineering 25	Gymnasium	Civil Engineering 27
	Civil Engineering 26	

### SOPHOMORE YEAR

Civil Engineering 1	Civil Engineering 2	Civil Engineering 3
Drawing 7	Civil Engineering 4	Civil Engineering 8
Mathematics 9	Mathematics 10	Civil Engineering 8a
German 1 or French A	German 2 or French B	Mathematics 12
Physics 1	Physics 2	German 3 or French C
Chemistry 1	Chemistry 2	Physics 4
	Gymnasium	Chemistry 3

### JUNIOR YEAR

Civil Engineering 5	Civil Engineering 6	Civil Engineering 7
Civil Engineering 5a	Mathematics 14	Civil Engineering 28
Mathematics 13	Mechanics 4	Mechanics 6
Mechanics 3	Astronomy 4	Astronomy 5
Astronomy 3	Physics 9	Physics 10
Physics 5	Civil Engineering 16	Mathematics 31
	Gymnasium	

### SENIOR YEAR

Civil Engineering 19	Civil Engineering 10	Civil Engineering 11
Civil Engineering 29	Civil Engineering 15	Civil Engineering 18
Civil Engineering 30	Civil Engineering 20	Civil Engineering 17
Mechanics 7	Civil Engineering 31	Civil Engineering 21
Geology 1	Mechanics 8	Civil Engineering 32
Thesis	Thesis	Thesis
	Gymnasium	

\* See note p. 42.



# FOR CANDIDATES FOR THE DEGREE OF MECHANICAL ENGINEER

## FRESHMAN YEAR

<i>First Term</i>	<i>Second Term</i>	<i>Third Term</i>
Mathematics 1	Mathematics 3	Mathematics 2
Drawing 1	Drawing 5	Drawing 6
Drawing 2	Drawing 3	Drawing 4
*French 1 or German 4	French 2 or German 6	French 3 or German 8
English 1	English 2	English 3
	Gymnasium	

## SOPHOMORE YEAR

Mathematics 9	Mathematics 10	Mathematics 12
Drawing 7	Drawing 8	Drawing 9
Mech. Engineering 1	Mech. Engineering 10	Mech. Engineering 11
Chemistry 1	Chemistry 2	Chemistry 3
Physics 1	Physics 2	Physics 4
German 1 or French A	German 2 or French B	German 3 or French C
	Gymnasium	

## JUNIOR YEAR

Philosophy 19	Philosophy 27	Philosophy 43
Mathematics 13	Mathematics 14	Mech. Engineering 9
Mechanics 3	Mechanics 4	Mechanics 6
Drawing 10	Drawing 11	Drawing 12
Mech. Engineering 12	Mech. Engineering 13	Mech. Engineering 14
Physics 5	Physics 9	Physics 10
	Gymnasium	

## SENIOR YEAR

Mechanics 7	Mechanics 8	Thesis Work
Mech. Engineering 3	Mech. Engineering 4	Mech. Engineering 5
Mech. Engineering 6	Mech. Engineering 7	Mech. Engineering 8
Drawing 27†	Drawing 28†	Original Design
Mech. Engineering 15	Mech. Engineering 16	
	Gymnasium	

\* See note p. 42.

† Students who desire to pursue Electrical Work may, if they so elect, substitute Physics 11, 12 and 15, for Drawing 27 and 28.



## GRADUATE DEGREES

### MASTER OF ARTS

To become enrolled for the degree of Master of Arts :

1. Every candidate must have obtained the degree of Bachelor of Arts, of Philosophy, of Science or of Letters.

2. Every candidate must file an application with the Secretary of the Committee on Graduate Students, naming the departments he wishes to enter. The application must be made on a blank provided by the Secretary of the Committee or by the Registrar of the University, and must be signed by the heads of the departments in which the studies come. If not a graduate of Brown University, the candidate will be required to submit to the Secretary of the Committee, with his application, his diploma or other official evidence of having received a first academic degree, and also a marked catalogue or detailed statement showing the academic courses he has pursued.

3. The applications for resident candidates must be filed on or before the first day of the academic year, those of non-resident candidates on or before October first.

To obtain the degree of Master of Arts :

1. Candidates must complete a thorough course, approved by the Faculty, of liberal graduate study, sufficient in amount to constitute a fifth year of college work, and must pass satisfactory examinations thereupon. Where graduate students pursue courses primarily designed for undergraduates, a higher degree of scholarship will be required than in the case of undergraduates. By continuous residence at the University, candidates fulfilling the above conditions may receive the degree in one year; in cases of partial or entire non-residence the degree will not be conferred until after two years of graduate study. Candidates registered as non-resident who yet desire some instruction at the University may receive such. All candidates who receive instruction at the University are required to register at the Registrar's office for the course or courses desired.

2. Candidates for the degree of Master of Arts who have studied in residence must have their final examinations certified by their officers of instruction to the Committee on Graduate Students before the second Wednesday in June.

3. All non-resident candidates for the degree of Master of Arts are examined publicly before the first of June by a Committee of the Faculty. The examinations are held only when notification of the

intention to appear for examination is given on or before April first of the year in which the candidate desires to obtain his degree. In the case of courses which the candidate pursues in residence, the certificates mentioned in the preceding paragraph are accepted in lieu of public examination.

For the University dues connected with graduate study, see on a later page under "Expenses."

## DOCTOR OF PHILOSOPHY

To become enrolled for the degree of Doctor of Philosophy :

1. Every candidate must have obtained the degree of Bachelor of Arts, of Philosophy, of Science or of Letters.

2. Every candidate must file an application with the Secretary of the Committee on Graduate Students, naming the departments he wishes to enter. The application must be made on a blank provided by the Secretary of the Committee or by the Registrar of the University, and must be signed by the heads of the departments in which his studies come. If not a graduate of Brown University, the candidate will be required to submit to the Secretary of the Committee, with his application, his diploma or other official evidence of having received a first academic degree, and also a marked catalogue or detailed statement showing the academic courses he has pursued.

3. The applications of candidates for the degree of Doctor of Philosophy must be filed on or before the first day of the academic year.

To obtain the degree of Doctor of Philosophy :

1. Candidates must reside at the University at least two years after enrollment, pursuing a systematic course of study approved by the Faculty and the Board of Fellows, and sustaining satisfactory examinations on the same, concluding their course with a thesis giving evidence of high scholarship and of special excellence in the studies pursued.

2. For the degree of Doctor of Philosophy two courses at least are required, a major and a minor. To receive this degree candidates must possess further a good knowledge of Latin, French and German, unless for special reasons excused in respect to one or more of these languages. To test the candidate's proficiency in the use of these languages for the purpose of their special studies, they must be examined before the first day of December in the last year of their candidacy.

3. A year of work for the degree of Master of Arts, unless performed in residence, cannot be counted as a year of work for the higher degree ; and it is not necessarily so counted even when performed in residence.

4. All candidates for the degree of Doctor of Philosophy are examined publicly before the first of June by a Committee of the Faculty. The examinations are held only when notification of the intention to

appear for examination is given on or before April first of the year in which the candidate desires to obtain his degree. The thesis of a candidate for the degree of Doctor of Philosophy must be presented to the Faculty, in typewritten copy or print, before the first of April in that year. The approval of such thesis by the Faculty is essential to the attainment of the degree.

For the University dues connected with graduate study, see on a later page under "Expenses."

### SPECIAL GRADUATE STUDENTS

Students who desire to pursue graduate studies without being candidates for an advanced degree, are admitted on fulfillment of the conditions specified in paragraph 2 under enrollment on page 54.

# COURSES OF INSTRUCTION ARRANGED ACCORDING TO DEPARTMENTS

## I. PHILOSOPHY

THE PRESIDENT, Professors DELABARRE, EVERETT, JACOBS and  
MEIKLEJOHN, Dr. DENNIS

### PHILOSOPHY AND PSYCHOLOGY

NOTE: Some one complete course in this department is required of every candidate for a degree, except that of Civil Engineer. By a complete course is understood all that is grouped together as a three-hour course under a single name in the accompanying announcements, provided it consists of more than one term's work. The courses in Pedagogy, however, cannot be taken to satisfy this requirement.

19, 27, 43. *Logic*. Three hours. Through the year. Elective for Sophomores and for Juniors who have not taken Philosophy 19.

A study of the aims, methods and limitations of human thinking, a preparation for work in the sciences and in philosophy. First Term, general introduction and formal logic; Second Term, an examination of the principles and methods of the natural sciences; Third Term, a statement of the relations of science to philosophy, giving the philosophic interpretation and criticism of the results of science.

Professor MEIKLEJOHN

[36, 37, 38. *Philosophical Introduction*. Three hours. Through the year. Elective for Juniors.] Not offered in 1900-1901.

An elementary course in the main problems of philosophy and their typical solutions; intended to acquaint the student with the attitude and method adopted in philosophical discussion, and to introduce him to the literature of the subject.

Professors DELABARRE, EVERETT and MEIKLEJOHN

2, 3, 4. *Psychology, introductory course*. Three hours. Through the year. Elective for Juniors.

The main facts and laws of mental life; particular attention to their arrangement in a thorough and comprehensive scientific system, also to their philosophical bearing. The course is thus of value not only because of the immense importance of a knowledge of mental law for practical life, but also as a transition from the special sciences to philosophy.

Professor DELABARRE

## [I. Philosophy, continued.]

20, 21, 22. *Psychology, advanced course.* Three hours. Through the year. Elective for Seniors and Graduates.

A seminary for the discussion of important and interesting questions in psychology. First Term, the fundamental principles of psychology; Second Term, abnormal and unusual states of consciousness; Third Term, subject undetermined.

Professor DELABARRE

29, 30, 31. *Experimental Psychology, introductory laboratory course.* Three hours. Through the year. Elective for Juniors, Seniors and Graduates who have taken or are taking 2, 3, 4.

Six hours of attendance. Description of the main lines and results of experimental research; demonstration of many of them by the instructor or the class; training in the use of apparatus and in careful scientific observation and measurement.

Professors DELABARRE and MEIKLEJOHN

39, 40, 41. *Experimental Psychology; advanced and original laboratory work.* Through the year. Elective for students who have taken 29, 30, 31.

This course may be taken for any number of hours up to six in the case of undergraduates, or more in the case of graduates, with double the number of hours of attendance. The problems investigated will vary from year to year according to the interests of instructor and students, and the course may therefore be taken two or more years in succession. The aim is to make original contributions to scientific knowledge in psychology and to publish the results.

Professors DELABARRE and MEIKLEJOHN

8, 9, 10. *History of Philosophy.* Three hours. Through the year. Elective for Juniors, Seniors and Graduates.

First Term, Greek philosophy; Second Term, mediæval and early modern philosophy; Third Term, recent and contemporary philosophy. The successive philosophical systems in their dialectical developments and mutual relations; treatment not merely analytic and historical, but synthetic and constructive as well.

Professor EVERETT

5, 23. *Theoretical Ethics.* Three hours. First and Second Terms. Elective for Seniors and Graduates.

Intended to aid in mastering the fundamental problems of life and character. First Term, a discussion of the nature and relations of ethics and an outline of the history of the chief ethical systems; Second Term, a critical study of the fundamental concepts of ethics with the aim of constructing a tenable theory of conduct.

Professor EVERETT

[I. Philosophy, continued.]

44. *Practical Ethics*. Three hours. Third Term. Elective for Seniors and Graduates.

Intended to apply ethical theory to the life of the individual, the family and the state. Discussion of current problems, personal, industrial and social, from the ethical standpoint.

President FAUNCE

[26. *Outlines of the History of Religion*. Two hours. Second Term. Elective for Seniors and Graduates.] Not offered in 1900-1901.

The great religious systems of the world, chiefly in their philosophical aspects.

Professor EVERETT

24. *Philosophy of Religion*. Three hours. Third Term. Elective for Seniors and Graduates who have had previous philosophical training.

An investigation of the ultimate grounds of religious belief.

Professor EVERETT

14, 28, 42. *Philosophical Seminary*. Two hours. Through the year. Elective for Graduates.

Lectures, papers and discussions on the more difficult problems of philosophy. Subject for 1900-1901, Contemporary Philosophy. Some of the most important recent contributions to philosophical literature will be critically studied.

Professor EVERETT

17. *Discussions in Casuistry*. One hour. Second Term. Elective for Seniors and Graduates.

Intended to aid in clearly formulating views upon different problems of the moral life.

Professor MEIKLEJOHN

33, 34, 35. *The Philosophy of Kant*. Two hours. Through the year. Elective for Seniors and Graduates.

A study of Kant's works as the source of German Rationalism, the purpose being not only to discover the author's thought, but also by discussion to follow the trend of his suggestions.

Professor MEIKLEJOHN

*Philosophical Club*. A Philosophical Club, consisting of Graduate, Senior and Junior students of philosophy in all its branches, has been formed for the encouragement of the independent discussion of philosophical questions and for the fostering of a more intelligent interest in the subject. The club meets once a month for the reading of papers and for free discussion. Though the organization is primarily in the hands of the students, the officers of instruction in the philosophical department, as well as other persons interested in philosophy, members of the University or not, are usually present to take part in the proceedings.



[I. Philosophy, continued.]

## PEDAGOGY

Professor JACOBS and Dr. DENNIS

1. *History of Educational Theories and Institutions.* Three hours. First Term. Elective for Seniors and Graduates.

Lectures, essays, and private reading of educational classics.

Dr. DENNIS

2. *Institutes of Pedagogy.* Three hours. Second Term. Elective for Seniors and Graduates.

Lectures, essays and conferences.

Professor JACOBS

3. *Practical Pedagogy.* Three hours. Third Term. Elective for Seniors and Graduates.

School systems in this country and in Europe, school management and discipline, methods in teaching certain subjects; opportunity for observation of typical schools.

Professor JACOBS

NOTE: Pedagogy 1, 2, 3 covers the requirement in Pedagogy for a teacher's certificate of the First Grade in the State of Rhode Island. Successful completion of the course exempts from special examination for the certificate.

4. *Seminary in Pedagogy.* Two hours. First Term. For student-teachers and, by special permission, elective for others.

Herbartian Pedagogy. Lange's Apperception, Dörpfeld's Thought and Memory, Herbart's Science of Education.

Professor JACOBS

5. *Seminary in Pedagogy.* Two hours. Second Term. For student-teachers and, by special permission, elective for others.

Harris' Psychological Foundations of Education.

Professor JACOBS

[6. *Seminary in Pedagogy.* Two hours. Third Term. For student-teachers and, by special permission, elective for others.] Not offered in 1900-01.

School Hygiene. Child Study, including the period of adolescence.

Professor JACOBS

NOTE: From members of the Senior class who have completed the course in Pedagogy offered during the Senior year, the school committee of the City of Providence make appointments to the position of student-teacher in the High School. To those thus appointed the High School serves as a school of observation and practice in connection with the graduate course in Pedagogy. In return for the services rendered, the city gives such a student-

## [1. Philosophy, continued.]

teacher half the pay of a regular teacher. The time required each day is somewhat more than half the usual period of service. An unusual opportunity is thus afforded student-teachers to gain a thorough knowledge of the theory of pedagogy and at the same time practical experience in the art of teaching.

7, 8, 9. *Seminary in Methods*. Two hours. Through the year. For student-teachers and, by special permission, elective for others.

Methods in discipline; Latin, Greek, French, English, History, Mathematics, Physics, Chemistry, Botany, and Astronomy.

Professor JACOBS and Dr. DENNIS

10, 11, 12. *Problems in Practical Teaching*. Once a week. Through the year. For student-teachers.

Seminary course. Control and conduct of classes, plans for single lessons and for "method wholes," teaching under observation, observation of the work of experienced teachers, reports, private conferences, theses upon practical questions of educational work.

Professor JACOBS

## II. HISTORY

Professors JAMESON and MUNRO

1, 2. *General Mediæval History of Europe*. Three hours. First and Second Terms. Required of all Juniors.

Recitations and lectures, reports by members of the class, supplementary readings.

Professor MUNRO

NOTE: Similar methods are used in the following courses down to 9 inclusive.

15. *Islam and the Crusades*. Three hours. First Term. Elective for Juniors, Seniors and Graduates.

Professor MUNRO

11. *History of the Renaissance*. Three hours. Second Term. Elective for Juniors, Seniors and Graduates.

Professor MUNRO

3. *History of the Reformation*. Three hours. Third Term. Elective for Juniors, Seniors and Graduates.

Professor MUNRO

[16. *The French Revolution*. Three hours. Third Term. Elective for Juniors, Seniors and Graduates.] Not offered in 1900-01.

Professor MUNRO



[11. History, continued.]

18. *Spanish History*. Three hours. Third Term. Elective for Juniors, Seniors and Graduates.

Professor MUNRO

4. *English Constitutional and Political History to 1625*. Three hours. First Term. Elective for Juniors and Seniors.

Professor JAMESON

5. *English Constitutional and Political History since 1625*. Three hours. Second Term. Elective for Juniors and Seniors.

Professor JAMESON

6. *History of Europe since 1800*. Three hours. Third Term. Elective for Juniors and Seniors.

Professor JAMESON

7. *Constitutional and Political History of the United States to 1763*. Three hours. First Term. Elective for Seniors.

Professor JAMESON

8. *Constitutional and Political History of the United States from 1763 to 1829*. Three hours. Second Term. Elective for Seniors.

Professor JAMESON

9. *Constitutional and Political History of the United States since 1829*. Three hours. Third Term. Elective for Seniors.

Professor JAMESON

[10. *Principles of Historical Criticism*. One hour. Through the year. Elective for graduates.] Not offered in 1900-01.

Professor JAMESON

[13. *History of Historical Writing in Modern Europe*. One hour. Through the year. Elective for Graduates.] Not offered in 1900-01.

Professor JAMESON

17. *Historical Bibliography*. One hour. Through the year. Elective for Graduates.

Professor JAMESON

12. *Practical Course in European History*. One hour. Through the year. Elective for Graduates.

In 1900-01, the early history of the Northmen.

Professor JAMESON

14. *Practical Course in American History*. One hour. Through the year. Elective for Graduates and for Seniors who are taking 7, 8 and 9.

In 1900-01, the formation and adoption of the Constitution.

Professor JAMESON

## [II. History, continued.]

*Historical Seminars.* The Historical Seminary, conducted by Professor Jameson, and including the Graduate Students of history and a few of the most advanced Undergraduates, holds meetings devoted to original papers, to reports upon studies of methods, and to the historical reviews and journals. The Seminary of Mediæval History, conducted by Professor Munro, is devoted to similar work in connection with his courses.

## III. SOCIAL AND POLITICAL SCIENCE

Professors WILSON and DEALEY, Mr. BARROWS.

NOTE: *The courses in this department, other than 12, are open only to those students who have passed in Social Science 12 (first term), Political Science 12 (second term), and Political Economy 12 (third term), which together constitute a single course introductory to the departments of Social and Political Science and Political Economy.*

Courses offered in 1900-01, but not in 1901-02:

<i>First Term.</i>	<i>Second Term.</i>	<i>Third Term.</i>
Political Science 3. International Law and Relations	Political Science 7. Foreign Diplomacy	Political Science 11. American Diplomacy
Political Science 4. United States Constitutions	Political Science 2. Comparative Study of Constitutions	Political Science 19. Spanish American Governments
Political Science 5. Development of Political Theory	Political Science 6. Roman Law	Political Science 16. Constitutional Law
Social Science 10. Social Institutions	Social Science 2. Social Problems	Social Science 3. American Social Problems

Courses not offered in 1900-01, but offered in 1901-02:

Political Science 13. National Administration	Political Science 14. Local and Colonial Administration	Political Science 15. Municipal Functions and Administration
Political Science 1. The State	Political Science 17. American Political Problems	Political Science 18. Political Parties
Social Science 5. Development of Social Theory	Social Science 1. Principles of Sociology	Social Science 4. Social Philosophy
		Social Science 11. Demography
		Social Science 13. Socialism

## [III. Social and Political Science, continued.]

Courses for Graduates only :

Social Science 7	Social Science 8	Social Science 9
Political Science 8	Political Science 9	Political Science 10

## SOCIAL SCIENCE

12. *Elementary Course.* Three hours. First Term. Elective for Sophomores, Juniors and Seniors.

Professor WILSON

[1. *The Principles of Sociology.* Three hours. Second Term.]

Nature of society, social forces and environment.

Professor DEALEY

2, 3. *Social Problems and Conditions.* Three hours. Second and Third Terms.

Relating to charity, criminology, etc.

Professor WILSON

[4. *Social Philosophy.* Three hours. Third Term.]

Aims and ideals in social life, social well-being.

Professor DEALEY

[5. *Development of Social Theory.* Three hours. First Term.]

Tracing important theories, ancient and modern, in regard to social conditions and development.

Professor DEALEY

7, 8, 9. *Current Social Theory and Practice.* One hour. Through the year. Elective for Graduates.

Practical sociological investigations.

Professors WILSON and DEALEY

10. *Social Institutions.* Three hours. First Term.

Their development, forms and importance. The family, church, state, etc.

Professor DEALEY

[11. *Demography.* Three hours. Third Term.]

Dispersion of races. A social study of race characteristics.

Professor WILSON

[13. *Socialism.* Three hours. Third Term.]

Ancient and Modern, with especial attention to present phases of the theory.

Prof. DEALEY

## POLITICAL SCIENCE

12. *Elementary.* Three hours. Second Term. Elective for Sophomores, Juniors and Seniors who have passed in Social Science 12.

Professor DEALEY

## [III. Social and Political Science, continued.]

[1. *The State*. Three hours. First Term.]

Its origin, forms, development, institutions and functions.

Professor DEALEY

2. *Comparative Study of Constitutions*. Three hours. Second Term.

With special reference to the constitutions of Germany, France, Great Britain and Switzerland.

Professor DEALEY

3. *International Law and Relations*. Three hours. First Term.

Professor WILSON

4. *United States Constitutions*. Three hours. First Term.

National and local constitutions and institutions.

Professor DEALEY

5. *Development of Political Theory*. Three hours. First Term.

The growth of important political ideas, traced from Plato to the present time, with emphasis upon the evolution of democracy.

Professor DEALEY

6. *Roman Law*. Three hours. Second Term.

The influence of Roman law on political institutions. Historical and legal exposition.

Professor WILSON

7. *Diplomacy*. Three hours. Second Term. Elective for students who have completed Political Science 3.

Art and practice of international negotiation with special reference to European problems.

Professor WILSON

8, 9, 10. *Current Political Theory and Practice*. One hour. Through the year. Elective for Graduates.

Investigation of topics in American and foreign politics.

Professors WILSON and DEALEY

11. *Diplomacy*. Three hours. Third Term. Elective for students who have completed Political Science 3.

American development and problems.

Professor WILSON

[13. *Administration*. Three hours. First Term.]

Principles, national systems.

Professor WILSON

[14. *Administration*. Three hours. Second Term. Elective for students who have completed Political Science 13.]

Local and colonial.

Professor WILSON

[III. Social and Political Science, continued.]

[15. *Municipal Functions and Administration.* Three hours. Third Term.]

With special reference to municipal government in the United States.

Professor DEALEY

16. *Constitutional Law.* Three hours. Third Term.

Principles and development with special reference to the constitution of the United States.

Professor DEALEY

[17. *Political Problems.* Three hours. Second Term.]

Especially those of the United States.

Professor WILSON

[18. *Political Parties.* Three hours. Third Term.]

Development in the United States and Europe.

Professor WILSON

19. *The Spanish Republics of America.* Three hours. Third Term.

Governments and social conditions.

Professor DEALEY

## ELEMENTARY LAW

Mr. BARROWS

1. *Persons and Personal Property.* Three hours. First Term. Elective for Juniors and Seniors.

NOTE: Groups 9, 1, 3, and 4, 7, 8 are given in alternate years. During the year 1900-1901 the courses given will be 1, 2, 3, course 9 being omitted. These groups should be taken consecutively, beginning in the Junior year. While the primary purpose of these courses is to cultivate a legal mind, yet they prepare thorough students to enter most law schools with advanced standing and possibly to shorten their law course by one year; they also give a good foundation to the student who expects to prepare for the bar in a law office.

2. *Real Property.* Three hours. Second Term. Elective for Juniors and Seniors.

3. *Contracts.* Three hours. Third Term. Elective for Juniors and Seniors.

[4. *Torts and Criminal Law.* Three hours. First Term. Elective for Juniors and Seniors.] Not offered in 1900-01.

## [III. Social and Political Science, continued.]

[7. *Equity*. Three hours. Second Term. Elective for Juniors and Seniors.] Not offered in 1900-01.

[8. *Equity*. Three hours. Third Term. Elective for students who have passed in 7.] Not offered in 1900-01.

[9. *Historical Development of the Common Law*. Three hours. First Term. Elective for Juniors and Seniors.] Not offered in 1900-01.

[5. *Common Law Practice and Pleading*. Three hours. Second Term. Elective for Juniors and Seniors.] Not offered in 1900-01.

[6. *Evidence*. Three hours. Third Term. Elective for Juniors and Seniors.] Not offered in 1900-01.

## IV. POLITICAL ECONOMY

Professor GARDNER

12. *Political Economy, elementary*. Three hours. Third Term. Elective for Sophomores, Juniors and Seniors who have passed in Social Science 12 and Political Science 12.

NOTE: *The courses in this department, other than 12, are open only to those students who have passed in Social Science 12 (first term), Political Science 12 (second term), and Political Economy 12 (third term), which together constitute a single course introductory to the departments of Social and Political Science and Political Economy.*

13, 14. *General Economics*. Three hours. First and Second Terms. Elective for Juniors and Seniors.

Based on Hadley's *Economics*.

NOTE: All students who, having taken the introductory courses, intend to continue work in this department are strongly advised to begin with 13, 14. Other courses may, if desired, be taken advantageously at the same time.

6. *Money and Banking*. Three hours. First Term. Elective for Juniors, Seniors and Graduates.

Description of existing systems and discussion of important problems with special reference to the United States.

15. *The Labor Movement, with special reference to Trade Unions*. Three hours. First Term. Elective for Juniors, Seniors and Graduates.



## [IV. Political Economy, continued.]

5. *Public Finance*. Three hours. Second Term. Elective for Juniors, Seniors and Graduates.

Description of systems of public revenue and expenditure in the principal countries, particularly the United States, and discussion of important problems involved.

16. *Industrial Corporations, their history, significance and regulation*. Three hours. Second Term. Elective for Juniors, Seniors and Graduates.

Special attention will be given to railways and other quasi-public corporations.

17. *History of the Tariff Policy of the United States*. Three hours. Third Term. Elective for Juniors, Seniors and Graduates.

Based on Taussig's *Tariff History of the United States*.

NOTE: With the exception of 12, 13 and 14, which will be offered every year, some or all of the above courses will be omitted in 1901-1902 and their places taken by courses in economic theory and the history of economics.

## V. THE FINE ARTS

Professors POLAND and ASHTON

## HISTORY AND CRITICISM

Professor POLAND

1. *Ancient Art or Classical Archaeology*. Three hours. First Term. Elective for Juniors, Seniors and Graduates.

A general course in the history of ancient art, chiefly Greek and Roman. Text book; lectures illustrated by casts, slides, photographs and engravings; collateral reading.

NOTE: Courses 1, 4 and 6 may be taken independently, but students are advised to elect all three in the above order. Students are strongly advised to take 1, if possible, before any other course in the History of Art. A knowledge of Greek, Latin, German and French is very helpful to those who pursue even the general courses in this department.

4. *Early Christian and Mediæval Art*. Three hours. Second Term. Elective for Juniors, Seniors and Graduates.

Notice of Byzantine, Arabian and Oriental art; study of Romanesque and Gothic art. Text-book, lectures, lantern views.

## [V. The Fine Arts, continued.]

6. *Art of the Renaissance*. Three hours. Third Term. Elective for Juniors, Seniors and Graduates.

The fifteenth and sixteenth centuries. The effect on art of the dominant motives of the epoch, the development of art in the different countries of Europe, the great masters and their most significant works. Text-book, lectures, lantern views.

7, 9. *Modern Art*. Three hours. First and Second Terms. Elective for Juniors, Seniors and Graduates.

First Term, the seventeenth and eighteenth centuries; Second Term, the nineteenth century.

NOTE: Course 7 is sequent to Course 6, but is open to students in the classes named who have not taken Course 6. Courses 7, 9 and 8 form a consecutive outline.

8. *Theory and Criticism of the Fine Arts*. Three hours. Third Term. Elective for students who have passed in any course in the History of Art.

A study of the more important facts and laws of artistic production.

[10. *Seminary in Classical Architecture*. Elective for Graduates.] Not offered in 1900-01.

Critical study; Vitruvius read in the original Latin; discussion of the principles followed by the Greek and Roman architects, and of the influence of Vitruvius in the Renaissance.

NOTE: Courses 10, 11 and 3 are critical courses in classical archæology, especially useful to those who wish to do advanced work in classical archæology, philology or history.

11. *Seminary in Greek and Roman Sculpture*. Elective for Graduates.

Critical study of the sources, through use of selected passages from Greek and Roman authors as presented in Overbeck's *Antike Schriftquellen*, and of casts, photographs and other reproductions of the extant monuments. Elaboration of assigned topics. Lectures.

[3. *Seminary Study of the Acropolis of Athens*. Elective for Graduates.] Not offered in 1900-01.

Critical reading, in the Greek, of Pausanias' account of the Acropolis of Athens; lectures and illustrations.



## [V. Fine Arts, continued.]

[12. *Seminary in Renaissance Art.* Elective for Graduates.] Not offered in 1900-01.

Critical study of the art of the fifteenth and sixteenth centuries, particularly in Italy. The general spiritual conditions, the influences prevalent in art, a more detailed study of the great masters than in 6, which must be taken (or its equivalent) before this course.

## MUSIC

Professor ASHTON

1, 2, 3. *Harmony.* Three hours. Through the year. Elective for Sophomores, Juniors and Seniors.

First Term, the construction and connection of chords, the writing of exercises; Second Term, modulation, non-harmonic notes, harmonization of melodies; Third Term, analysis of harmony in compositions by the best writers, the study of melody, the writing of compositions.

NOTE: Courses 1 to 9 inclusive are sequential and must be taken in order.

4, 5, 6. *Counterpoint.* Three hours. Through the year. Elective for students who have passed with credit in 1, 2, 3.

Study of the rules of counterpoint; constant practice in contrapuntal writing; analysis of works by the best contrapuntal writers.

[7, 8, 9. *Composition.* Three hours. Through the year. Elective for students who have passed with credit in 4, 5, 6]. Not offered in 1900-01.

Composition of music in both strict and free forms; musical analysis; study of instrumentation.

[14. *Musical Introduction.* Three hours. Second Term. Elective for Juniors and Seniors who have not passed in or who are not taking 10, 11, 12.] Omitted in 1900-01.

A general course which considers such of the elements of music and the principles of musical composition as will enable the student to listen to music with intelligent interest and genuine profit.

15. *Music and Musicians of the Nineteenth Century.* Three hours. Third Term. Elective for Juniors and Seniors who have not passed in or who are not taking 10, 11, 12.

A general course to acquaint the student with the life, works and style of Beethoven, Schubert, Schumann, Mendelssohn, Wagner and other famous composers of this century.

## [V. Fine Arts, continued.]

[10, 11, 12. *Structure and History of Music*. Three hours. Through the year. Elective for Juniors, Seniors and Graduates]. Not offered in 1900-01.

Lectures on the history of music from the earliest times down to the present, accompanied by an analysis of representative compositions.

13. *Sacred Music*. Three hours. Third Term. Elective for Juniors and Seniors.

The history of sacred music and a study of music in its application to religious worship. Designed for those who are to be intrusted with the direction of church music.

20, 21, 22. *The Symphony*. Three hours. Through the year. Elective for Graduates.

Study of the evolution of the symphony orchestra and of the works of symphonists from Haydn to Brahms and Tschaikowsky.

## VI. INDO-EUROPEAN PHILOLOGY

Professor ALLINSON

1. *General Introduction to the Study of Language*. Three hours. Second Term. Elective for Juniors and Seniors. Offered only at Pembroke Hall, 1900-01.

Outline of the history of language. The Indo-European family. Adapted for students of ancient or modern languages.

4, 5. *Sanskrit, elementary*. Three hours. First and Second Terms. Elective for Juniors, Seniors and Graduates.

6. *Sanskrit, advanced*. Three hours. Third Term. Elective for students who have passed in 4 and 5, or an equivalent.

Selections from the Vedic Hymns.

[7, 8. *Seminary in Comparative Philology*. One two-hour session weekly. First and Second Terms. Elective for Graduates and qualified Seniors]. Not offered in 1900-01.

NOTE: This course may be continued in the Third Term as an alternate for Greek 36.

9. *The Fable in Indian, Greek and Latin Literature*. Two hours. Third Term. Elective for Graduates and qualified Undergraduates.

Seminary course. Compare *Greek* 36 (b).

## VII. GREEK LITERATURE AND HISTORY

Professors MANATT and ALLINSON and Mr. GOULDING

1. *Lysias*. Three hours. *Greek Prose Composition*. One hour. First Term. Required of candidates for the degree of Bachelor of Arts.

*Lysias*, select orations and practice in sight reading.

Professors MANATT and ALLINSON and Mr. GOULDING

2. *Plato*. Three hours. *Greek History*. One hour. Second Term. Required of candidates for the degree of Bachelor of Arts.

Plato's *Apology* and *Crito*, with other selections for sight reading. The fourth hour is devoted to illustrated historical lectures in connection with the reading of a standard work on Greek history.

Professors MANATT and ALLINSON and Mr. GOULDING

3. *Homer*. Three hours. *Greek Literature*. One hour. Third Term. Required of candidates for the degree of Bachelor of Arts.

The *Odyssey*, four books, rapid reading of other books; lectures on the life of the Heroic Age as revealed in the poems and illustrated by recent archæological research.

Professors MANATT and ALLINSON and Mr. GOULDING

4. *Herodotus*. Three hours. First Term. Elective for Sophomores. Books vi and vii, with selections from the rest of the history.

Professor MANATT

5. *Lucian*. Three hours. Second Term. Elective for Sophomores. Selections from *Lucian*.

Professor ALLINSON

6. *Dramatic Poets*. Three hours. Third Term. Elective for Sophomores.

Lectures on the Greek Drama; Sophocles, *Antigone*; Aristophanes, *Clouds*.

Professor ALLINSON

- [7, 8, 9. *Historians*. Three hours. Through the year. Elective for Juniors and Seniors who have completed 1-6 or equivalent work]. Not offered in 1900-01.

Herodotus, Thucydides and Xenophon; parallel reading from Plutarch's *Lives*; outline sketch of Greek history down to the present day.

Professor MANATT

## [VII. Greek Literature and History, continued.]

[10. *Isæus*. Three hours. First Term. Elective for students who have completed 1-6 or equivalent work.] Not offered in 1900-01.

The extant speeches read and discussed in their bearings on Athenian family life and testamentary law; collateral reading Jebb's Attic Orators.

Professor MANATT

[11. *Demosthenes*. Three hours. Second Term. Elective for students who have completed 1-6 or equivalent work.] Not offered in 1900-01.

Private Speeches, selected to illustrate the workings of Athenian institutions.

Professor MANATT

[12. *Æschines and Demosthenes*. Three hours. Third Term. Elective for students who have completed courses 1-6 or equivalent work.] Not offered in 1900-01.

Speeches on the Crown; study of the Macedonian period and of Athenian political life.

Professor MANATT

[13, 14, 15. *Homer*. Three hours. Through the year. Elective for Juniors and Seniors.] Not offered in 1900-01.

The Odyssey, portions of the Iliad and the Hymns in the original, the remainder of the poems in translation.

Professor MANATT

16. *Plato and Æschylus*. Three hours. First Term. Elective for Juniors and Seniors.

Republic, book x; selections from books i-ix.

Agamemnon, with readings from other plays.

Professor ALLINSON

17. *Hesiod and the Homeric Hymns*. Three hours. Second Term. Elective for Juniors and Seniors.

Professor MANATT

18. *Theocritus*. Three hours. Third Term. Elective for Juniors and Seniors.

Professor MANATT

23, 24. *Modern Greek*. One hour. Second and Third Terms. Elective for Sophomores, Juniors and Seniors.

Professor MANATT

[28. *Lucian*. Three hours. First Term. Elective for Juniors and Seniors.] Not offered in 1900-01.

The *Vera Historia*, and volume iii of the Teubner Text edition.

Professor ALLINSON

## [VII. Greek Literature and History, continued.]

[44. *Homer*. Three hours. Second Term. Elective for Juniors and Seniors.] Not offered in 1900-01.

Reading of the *Iliad* xviii-xxiv, a structural study of the whole poem, and lectures on the main results of Mycenæan Archæology.

Professor MANATT

[45. *The Drama*. Three hours. Third Term. Elective for Juniors and Seniors.] Not offered in 1900-01.

Select Plays of Euripides and Aristophanes, with lectures on the Greek theatre.

Professor MANATT

43. *Greek Composition, advanced*. One hour. Second Term. Elective for Sophomores, Juniors and Seniors.

Practice in prepared and in extemporaneous writing of Greek. For those who intend to teach or otherwise to specialize in the classics.

Professor ALLINSON

[25, 26. *Thucydides*. One two-hour session weekly. First and Second Terms. Elective for Graduates and approved Seniors.] Not offered in 1900-01.

Reading of the narrative entire with selections from the speeches, outline study of Greek History from the earliest times down to the present day; with special attention to topography, politics, and historical sources.

Professor MANATT

32, 33. *Attic Orators*. Two hours. First and Second Terms. Elective for Graduates and approved Seniors.

Isæus. Greek Historical Inscriptions.

Professor MANATT

34, 35, 36. *Greek Seminary*. One two-hour session weekly. Through the year. Elective for Graduates and approved Seniors.

First Term (a) Pindar's Nemean and Isthmian Odes.

Second Term (b) Greek Sources of Latin Literature. (The Comic Fragments and Aristophanes.)

Third Term (a) Minor Dialogues of Plato, or (b) Æsop's Fables (Babrius, Phædrus and Hitopadeça. See VI. 9.)

Professor MANATT (a) and Professor ALLINSON (b)

[41, 42. *Homer and Mycenæan Archæology*. Two hours. First and Second Terms. Elective for Graduates and approved Seniors.] Not offered in 1900-01.

Professor MANATT

NOTE: This may be elected in place of 32 and 33 above.

## VIII. ROMAN LITERATURE AND HISTORY

Professors HARKNESS and GREENE, Messrs. SHIPPEE and GOULDING

1. *Livy*. Four hours. First Term. Required of candidates for the degree of Bachelor of Arts.

Professors HARKNESS and GREENE and Mr. GOULDING

NOTE: While grammatical study and literary criticism receive attention in this as in the other courses of the Freshman year, the special aim is to enable the student to acquire facility in reading and to instruct him in the use of the Latin texts as a means of acquiring a knowledge of the public and private life of the Romans.

2. *Cicero*. Four hours. Second Term. Required of candidates for the degree of Bachelor of Arts.

Letters; Cicero and his times.

Professors HARKNESS and GREENE and Mr. GOULDING

3. *Tacitus*. Four hours. Third Term. Required of candidates for the degree of Bachelor of Arts.

Germania and Agricola; history of the Early Empire.

Professor GREENE and Mr. GOULDING

4. *Horace*. Three hours. First Term. Elective for Sophomores.

Odes and Epodes, Ovid's lyrics; lectures on lyric poetry.

Professor GREENE

NOTE: In this as in the other Sophomore courses, the literary side of the study is made prominent. A part of the time is occupied with a critical study of the poems, while a part is devoted to rapid reading with a view to comprehending the spirit of the authors. Lectures are given by the instructor, and literary topics are assigned to the class for special study.

5. *Catullus, Tibullus and Propertius*. Three hours. Second Term. Elective for Sophomores.

Lyric poetry continued.

Professor GREENE

6. *Satires of Horace and Juvenal*. Three hours. Third Term. Elective for Sophomores.

Professor HARKNESS

[7. *Origin of Latin Poetry and Development of the Drama*. Three hours. First Term. Elective for Juniors and Seniors.] Not offered in 1900-01.

Readings from Plautus and Terence.

Professor HARKNESS



## [VIII. Roman Literature and History, continued.]

NOTE: The advanced courses open to Juniors and Seniors relate to the development and history of Roman Literature. Poetry and prose are discussed in alternate years. The aim of these courses is to give a connected and comprehensive view of the entire range of Roman literature. Lectures are given on the lives and writings of the authors, and characteristic selections are read and discussed. Topics in literary history and criticism, adapted to individual tastes, are assigned to members of the class for special study and investigation.

[8. *Poetry of the Republic, continued, and poetry of the Augustan Age.* Three hours. Second Term. Elective for Juniors and Seniors.] Not offered in 1900-01.

Readings from Lucretius and other authors of this period.

Professor HARKNESS

[9. *Poetry of the Silver Age.* Three hours. Third Term. Elective for Juniors and Seniors.] Not offered in 1900-01.

Professor HARKNESS

11. *Prose of the Republican Period.* Three hours. First Term. Elective for Juniors and Seniors.

Development of oratory; readings from Specimens of Early Latin, from Cicero's Brutus, and from Quintilian.

Professor HARKNESS

12. *Prose of the Augustan Age.* Three hours. Second Term. Elective for Juniors and Seniors.

Development of historical writing; readings from the historians.

Professor HARKNESS

13. *Prose of the Silver Age.* Three hours. Third Term. Elective for Juniors and Seniors.

Roman philosophers; readings from Seneca and other authors of this period.

Professor HARKNESS

37, 38, 39. *Latin Composition.* One hour. Through the year. Elective for Sophomores, Juniors and Seniors.

Professor GREENE

10, 14, 15. *Private Life and Antiquities of Rome.* One hour. Through the year. Elective for Juniors, Seniors and Graduates.

Professor HARKNESS



## [VIII. Roman Literature and History, continued.]

[31, 32, 33. *Roman Architecture and Topography*. One hour. Through the year. Elective for Juniors, Seniors and Graduates.] Not offered in 1900-01.

Illustrated by photographs, slides, etc.

Professor HARKNESS

[16, 17, 18. *Pliny the Younger*. One hour. Through the year. Elective for Juniors, Seniors and Graduates.] Not offered in 1900-01.

Pliny's Letters; also selected passages of other authors illustrating the private life of the Romans.

Professor HARKNESS

[19, 20, 21. *Seminary in Epigraphy*. Two hours. Through the year. Elective for Graduates and qualified Undergraduates.] Not offered in 1900-01.

Study of epigraphical alphabets, illustrated by Huebner's *Exempla Scripturæ Epigraphicæ Latinæ*; introductory lectures preparatory to the investigation of special topics in the *Corpus Inscriptionum Latinarum*; investigation by the class of special questions relating to the Latin language and to Roman life.

Professor HARKNESS

[22, 23, 24. *Seminary in Palæography and Textual Criticism*. Two hours. Through the year. Elective for Graduates and qualified Undergraduates.] Not offered in 1900-01.

Lectures illustrated by fac-similes of manuscripts, critical study of authors with special reference to the manuscripts and to the establishment of the correct text.

Professor HARKNESS

28, 29, 30. *Seminary in Roman History*. Two hours. Through the year. Elective for Graduates.

Investigation of special problems of Roman life and history from inscriptions and other original sources.

Professor HARKNESS

[34, 35, 36. *Roman Provincial Administration*. Two hours. Through the year. Elective for Graduates.] Not offered in 1900-01.

Reading from Cicero's Orations against Verres.

Professor HARKNESS

## IX. ENGLISH LITERATURE AND LANGUAGE

Professors BRONSON, SEARS and POTTER, Mr. WOOD, Dr. BENEDICT,  
Messrs. STARR, CROSBY, CHASE, HERSEY and COOPER.

1, 2, 3. *Practical Rhetoric*. Three hours. Through the year. Required of all Freshmen who are not candidates for the degree of Bachelor of Arts, and of all Sophomores who have not taken the subject in the Freshman year. For Freshmen and Sophomores who do not elect 13, 14, 15, this course is increased to four hours.

Dr. BENEDICT, Messrs. WOOD, STARR, CHASE, HERSEY and COOPER

4, 5, 6. *Argumentative Composition*. One hour. Through the year. Required of all Juniors.

Mr. WOOD, Dr. BENEDICT, Messrs. STARR, CHASE, HERSEY and COOPER

[7, 8, 9. *English Composition, advanced*. Three hours. Through the year. Elective for students who have passed in 1, 2, 3.] Not offered in 1900-01.

10, 11, 12. *Debate*. Three hours. Through the year. Elective for a limited number of Juniors, Seniors and Graduates.

Juniors may substitute one term of this course for 4, 5, 6.

Professor GARDNER and Mr. CROSBY

13, 14, 15. *Public Speaking*. One hour. Through the year. Elective for all Undergraduates.

The subject is approached on its literary side. Vocal interpretation of the best literature; declamation; extempore speaking; individual training in voice culture.

Mr. CROSBY

16, 17, 18. *English Literature, introductory*. Three hours. Through the year. Elective for Sophomores, Juniors and Seniors.

Designed to cultivate the habit of thoughtful reading and the appreciation of literary form, and to give a general knowledge of the history of English Literature.

Professor BRONSON

19, 20, 21. *Old English*. Three hours. Through the year. Elective for Sophomores, Juniors and Seniors.

The essentials of Anglo-Saxon grammar. Prose selections. *Béowulf*.

Professor POTTER

## [IX. English Literature and Language, continued.]

[22, 23, 24. *Middle English*. Three hours. Through the year. Elective for students who have passed in 19, 20, 21.] Not offered in 1900-01.

Professor POTTER

25, 26, 27. *Chaucer*. Three hours. Through the year. Elective for Sophomores, Juniors and Seniors.

In the first and second terms, the work will be mainly linguistic, aiming to enable the student to read Chaucer intelligently. The third term will be devoted to somewhat rapid reading in Chaucer, Langland, and Gower, and to the study of Chaucer's art as poet and metrist, and of his influence on English poetry.

Professor POTTER

28, 29, 30. *Historical Grammar of the English Language*. Three hours. Through the year. Elective for students who have passed in 19, 20, 21 or 25, 26, 27.

Professor POTTER

31, 32, 33. *English Literature, exclusive of the Drama, from 1400 to 1600*. Three hours. Through the year. Elective for students who have passed in 16, 17, 18.

Mediaeval literary forms and the literature of the Renaissance; romances, ballads, allegory, miracle-plays, early versions of the Bible, Mandeville's *Travels*, Malory's *Morte Darthur*, Elizabethan lyrics, Sir Philip Sidney, Spenser, Shakspere's sonnets.

Dr. BENEDICT

[34, 35, 36. *English Literature, exclusive of the Drama, from 1600 to 1660*. Three hours. Through the year. Elective for students who have passed in 16, 17, 18.] Not offered in 1900-01.

The course will centre in Milton.

Professor BRONSON

37, 38, 39. *The English Drama*. Three hours. Through the year. Elective for students who have passed in 16, 17, 18. Not to be offered in 1901-02.

The drama as a literary type, and its history in England from the Scripture cycles down to 1642. Reading and discussion of the principal works of Lily, Greene, Peele, Marlowe, Shakspere, Dekker, Ben Jonson, Heywood, Beaumont and Fletcher, Middleton, Webster.

Mr. STARR

## [IX. English Literature and Language.]

40, 41, 42. *Shakspeare*. Three hours. Through the year. Elective for Juniors and Seniors.

Work chiefly linguistic and interpretative, with some attention to the literary history and the sources of the plays read.

Professor POTTER

[43, 44, 45. *Spenser, Shakspeare, Milton*. Three hours. Through the year. Elective for students who have passed in 16, 17, 18, and for others at the discretion of the instructor, but not open to any who have taken or who are taking 31-33 or 34-36 or 37-39.] Not offered in 1900-01.

Intended for purposes of general culture. Students specializing in English should elect more advanced courses.

Mr. STARR

[46, 47, 48. *English Literature from 1660 to 1798*. Three hours. Through the year. Elective for students who have passed in 16, 17, 18.] Not offered in 1900-01.

Special attention to the development of the novel and to the beginnings of the romantic movement.

Mr. WOOD

49, 50, 51. *English Literature from 1798 to 1832*. Three hours. Through the year. Elective for students who have passed in 16, 17, 18. Not to be offered in 1901-02.

Mr. WOOD

[52, 53, 54. *English Literature from 1832, the Greater Writers*. Three hours. Through the year. Elective for students who have passed in 16, 17, 18, and for others at the discretion of the instructor, but not open to any who have taken or are taking 55-57 or 58-60.] Not to be offered until 1902-03.

Intended for purposes of general culture. Students specializing in English should elect more advanced courses.

Mr. CROSBY

55, 56, 57. *English Literature from 1832, the Poets*. Three hours. Through the year. Elective for students who have passed in 16, 17, 18. Not to be offered in 1901-02.

Professor BRONSON

[58, 59, 60. *English Literature from 1832, the Essayists and the Novelists*. Three hours. Through the year. Elective for students who have passed in 16, 17, 18.] Not offered in 1900-01.

Mr. CROSBY

## [IX. English Literature and Language, continued.]

61, 62, 63. *American Literature*. Three hours. Through the year. Elective for students who have passed in 16, 17, 18.

In 1900-01 a combination of two courses: The colonial and national periods of American Literature, and a comparative view of American and English Literature during three centuries; with occasional lectures on literary criticism, as an assistance in making weekly reports on required reading. Any one term of the course may be taken separately.

Professor SEARS and Mr. CHASE

64, 65, 66. *Seminary in English Literature*. Three hours, in two sessions of an hour and a half each. Through the year. Elective for Graduates, and for Seniors who have passed with credit in two or more courses in English Literature. Number of members limited to ten.

Subject in 1900-01: History and principles of literary criticism, with practice in various forms of criticism.

Professor BRONSON

## X. GERMANIC LANGUAGES AND LITERATURES

Professors WILLIAMS and CROWELL, Messrs. THOMPSON and POOLE

## GERMAN

1. *Elementary Course*. Three hours. First Term. Required of all Sophomores who did not present German for entrance.

Messrs. THOMPSON and POOLE

2. *Intermediate Course*. Three hours. Second Term. Required of all Sophomores who did not present German for entrance.

Grammar, composition, conversation; selections from Goethe, Uhland, Schiller, Freytag, Benedix and Heyse.

Messrs. THOMPSON and POOLE

3. *Nineteenth Century Prose*. Three hours. Third Term. Required of all Sophomores who did not present German for entrance.

Reading at sight, grammar, composition, conversation.

Messrs. THOMPSON and POOLE

4. *Lessing*. Three hours. First Term. Elective for students who have passed in 1, 2, 3, and required of all who presented German for entrance.

*Emilia Galotti*, *Minna von Barnhelm*; lectures on Lessing's life and works.

Professor CROWELL

## [X. Germanic Languages and Literatures, continued.]

6. *Schiller*. Three hours. Second Term. Elective for students who have passed in 4, and required of all who presented German for entrance.

*Jungfrau von Orleans, Balladen und Romanzen*; lectures on Schiller's life and works.

Professor CROWELL

8. *Goethe*. Three hours. Third Term. Elective for students who have passed in 6, and required of all who presented German for entrance.

*Götz von Berlichingen, Iphigenie auf Tauris*; lectures on Goethe's life and works.

Professor CROWELL

46, 47, 48. *Goethe's Faust, Parts I and II*. Three hours. Through the year. Elective for students who have passed in 8.

Lectures, essays, original text read by students in class, weekly written translations.

Professor WILLIAMS

16, 17, 18. *German Literature*. Three hours. Through the year. Elective for students who have studied German not less than two years.

First Term: Klopstock, Lessing, Wieland, Herder; *Die Aufklärung, Der Göttinger Dichterbund, Die Sturm- und Drangperiode*.

Second Term: Schiller. Third Term: Goethe.

Professor WILLIAMS

40, 41, 42. *Composition*. One hour. Through the year. Elective only for students pursuing the regular courses of the second or third year in German, and for those who have passed in 48.

Professor CROWELL

10, 11, 12. *Middle High German*. Three hours. Through the year. Elective for students who have had at least one year of German.

First Term: Grammar, *Das Nibelungenlied*. Second Term: Walther von der Vogelweide. Third Term: The court epics, Hartmann von Aue's *Iwein* and *Der arme Heinrich*, Gottfried von Strassburg's *Tristan*, Wolfram von Eschenbach's *Parzival*.

Professor WILLIAMS

NOTE: This course, like the following courses in German and those in Gothic and Old Norse, is primarily for Graduates, but may be taken by qualified Undergraduates.



## [X. Germanic Languages and Literatures, continued.]

19, 20, 21. *Old High German*. One hour. Through the year. Elective for Graduates.

Braune's *Althochdeutsche Grammatik* and *Althochdeutsches Lesebuch*.

Professor WILLIAMS

[34, 35, 36. *Germanic Philology*. Two hours. Through the year. Elective for Graduates.] Not offered in 1900-01.

Professor WILLIAMS

[28, 29, 30. *Germanic Mythology*. One hour. Through the year. Elective for all who read German with ease.] Not offered in 1900-01.

Mogk's *Deutsche Mythologie*, Lectures, Essays.

Professor WILLIAMS

## OLD NORSE

1. *Introductory*. Two hours. First Term. Elective for advanced German students.

Noreen's *Altisländische und Altnorwegische Grammatik*, Mogk's *Gunnlaugssaga*.

Professor WILLIAMS

2. *Intermediate*. Two hours. Second Term.

Noreen's *Grammatik*, Wilken's *Snorra Edda*.

Professor WILLIAMS

3. *Advanced*. Two hours. Third Term.

Noreen's *Grammatik*, Jonsson's *Eddalieder*, Mogk's *Norwegisch-Isländische Literatur*, Lectures, Essays.

Professor WILLIAMS

## GOTHIC

[1, 2, 3. *Introductory*. One hour. Through the year. Elective for all advanced German students.] Not offered in 1900-01.

Braune's *Gothische Grammatik*, Heyne's *Stamm's Ulfilas*.

Professor WILLIAMS



## XI. ROMANCE LANGUAGES AND LITERATURES

Professors LANGDON and JOHNSON, Messrs. MORSE and NORRIS

## FRENCH

A, B, C. *Elementary French*. Three hours. Through the year. Required of all Sophomores who did not present French for admission.

Grammar, composition, dictation, translation into idiomatic English of selections from modern authors. The equivalent of the French required for admission.

Mr. MORSE

1, 2, 3. *Language*. Three hours. Through the year. Required of all Freshmen who presented French for admission.

Rapid translation of modern authors, composition, special study of unusual constructions and idioms. Intended to enable students to read ordinary French at sight.

Professor JOHNSON, Messrs. MORSE and NORRIS

[4, 5, 6. *Literature*. Three hours. Through the year. Elective for students who have passed with credit in 1, 2, 3.] Not offered in 1900-01.

First two terms, special study of Hugo's *Quatre-vingt-treize*. Sight reading of Crane's *Tableaux de la Révolution française* in connection with the preceding. Third Term, special linguistic and literary study of Rostand's *Cyrano de Bergerac*.

Professor JOHNSON

13, 14, 15. *Practice in Writing and Speaking*. Three hours. Through the year. Elective for students who have passed with credit in 1, 2, 3.

Complementary to 4, 5, 6. Will form the Sophomore course in 1901-02.

Professor JOHNSON

28, 29, 30. *Literature, advanced*. Three hours. Through the year. Elective for students who have passed with credit in either 4, 5, 6, or 13, 14, 15.

Study of the literature of the sixteenth and seventeenth centuries in connection with Lanson's *Histoire de la littérature française*; weekly reports on assigned collateral reading of seventeenth-century authors. Intended only for those who have acquired the ability to read rapidly. The department library is at the disposal of the class.

Professor LANGDON

## [XI. Romance Languages and Literatures, continued.]

[31, 32, 33. *Literature, advanced.* Three hours. Through the year.]  
Not offered in 1900-01.

A continuation of 28, 29, 30. Covers the eighteenth and nineteenth centuries. Offered in alternate years with the above.

Professor LANGDON

[34, 35, 36. *Old French and Provençal.* Three hours. Through the year. Elective for Seniors and Graduates.] Not offered in 1900-01.

Introductory course in Romance philology. The special field of study is arranged in accordance with the needs of those who elect the course.

Professor JOHNSON

## ITALIAN

1, 2, 3. *Modern Italian.* Three hours. Through the year. Elective for Juniors, and for Sophomores not electing more than one other modern foreign language.

Grammar, composition and rapid reading. Intended to enable those proficient in Latin and French to read Italian at sight.

Mr. MORSE

[10, 11, 12. *Fourteenth-Century Classics.* Three hours. Through the year. Elective for students who have passed with credit in 1, 2, 3.]  
Not offered in 1900-01.

Translation of the whole of Dante's *Divina Commedia* also of selections from the *Rime* of Petrarca, and from the *Decamerone* of Boccaccio.

Professor LANGDON

## COMPARATIVE LITERATURE

1, 2, 3. *Dante in English.* Three hours. Through the year. Elective for Juniors, Seniors and Graduates.

A study of the whole of the *Divina Commedia* in English in the light of modern thought, and in connection with the great world-poems, *Job*, the *Iliad-Odyssey*, the *Æneid*, *Hamlet*, *Paradise Lost*, *Faust*, and *The Ring and the Book*. An introduction to a study of comparative literature, by means of the best available translations. A survey of the greatest monuments of literature from the point of view of the most universal and central of all. Intended especially, though not exclusively, for students who, not having time for the study of many literatures in the original, yet desire acquaintance with what is best in the poetic culture of the world.

Professor LANGDON

## [XI. Romance Languages and Literatures, continued.]

## SPANISH

1, 2, 3. *Modern Spanish*. Three hours. Through the year. Elective for Juniors, and for Sophomores not electing more than one other modern foreign language.

Conversation, composition, writing from dictation, and rapid reading.

Professor JOHNSON

## XII. BIBLICAL LITERATURE AND HISTORY

Professor KENT and Mr. LENT

## HEBREW

1, 2. *Elementary Hebrew*. Three hours. First and Second Terms. Elective for Juniors, Seniors and Graduates.

Mr. LENT

3. *Historical Hebrew*. Three hours. Third Term. Elective for students who have passed in 1 and 2.

Mr. LENT

10, 11, 12. *Hebrew Seminary*. Three hours (one session weekly). Through the year. Elective for those who have had the equivalent of 1, 2 and 3.

The Legal Literature of the Old Testament. Critical analysis and translation of the legal books, chronological arrangement of the different codes, and a systematic codification of the laws so as to gain a comprehensive idea of the origin, development and significance of the Jewish religious institutions.

Professor KENT

NOTE: In succeeding years corresponding courses in the Prophetical, Psalm and Wisdom Literature of the Old Testament will be offered.

## ARAMAIC

1. *Biblical Aramaic*. Three hours. Second Term. Elective for students who have passed in Hebrew 1, 2 and 3.

Mr. GRAD

## [XII. Biblical Literature and History, continued.]

## SYRIAC

1. *Syriac*. Three hours. Third Term. Elective for students who have passed in Aramaic 1.

Mr. GRAD

## ARABIC

[1, 2, 3. *Elementary Arabic*. Two hours. Through the year. Elective for Juniors, Seniors and Graduates.] Not offered in 1900-01.

Professor KENT

## ASSYRIAN

1, 2. *Elementary Assyrian*. Two hours. First and Second Terms. Elective for Juniors, Seniors and Graduates.

Professor KENT

3. *Historical Assyrian*. Two hours. Third Term. Elective for Juniors, Seniors and Graduates.

Professor KENT

4, 5, 6. *Assyrian Seminary*. Two hours. Through the year. Elective for advanced Semitic students.

Professor KENT

## NEW TESTAMENT LANGUAGE AND LITERATURE

1. *The Gospel of Mark and the First Epistle of Peter*. Three hours. First Term. Elective for Juniors, Seniors and Graduates.

Critical translation and interpretation, study of the characteristics of Hellenistic Greek, and special investigation of the message and thought of Peter.

Professor KENT

2. *The Gospels of Matthew and Luke*. Three hours. Second Term. Elective for Juniors, Seniors and Graduates.

Rapid translation and critical interpretation, comparative study of the structure, peculiarities and aims of the three Synoptic Gospels, with a special view to laying the foundations for the historical study of the life and teachings of Jesus.

Professor KENT

5. *The Gospel and First Epistle of John*. Three hours. Third Term. Elective for Juniors, Seniors and Graduates.

Translation, interpretation, analysis, investigation of the questions of date and authorship, and a special study of the point of view and teachings of the apostle John.

Professor KENT

## [XII. Biblical Literature and History, continued.]

[7. *Book of Acts*. Three hours. First Term. Elective for Juniors, Seniors and Graduates.] Not offered in 1900-01.

Interpretation; analysis of structure; study of authorship; history and institutions of primitive Christianity.

Professor KENT

[6. *The Epistles to the Thessalonians and Galatians*. Three hours. Second Term. Elective for Juniors, Seniors and Graduates.] Not offered in 1900-01.

Interpretation and general investigation of the origin, aim, characteristics and contents of the New Testament epistles.

Professor KENT

[3. *Paul's Corinthian and Roman Epistles*. Three hours. Third Term. Elective for Juniors, Seniors and Graduates.] Not offered in 1900-01.

Rapid reading; analysis of thought; study of Pauline teaching.

Professor KENT

## BIBLICAL LITERATURE AND HISTORY IN ENGLISH

4. *The Beginnings of Hebrew History*. Three hours. First Term. Elective for Sophomores, Juniors, Seniors and Graduates.

Study of ancient Semitic and Egyptian history, civilization, and religions, which constitute the background of primitive Hebrew life and thought, interpretation of the prophetic and priestly narratives of the Book of Genesis, and reconstruction of the outlines of early Hebrew history in the light of the testimony of the monuments and primitive Hebrew traditions.

Professor KENT

5. *Hebrew History and Literature: The United Kingdom*. Three hours. Second Term. Elective for Sophomores, Juniors, Seniors and Graduates.

Investigation of the political, social and religious life and development of the Hebrew people, from their settlement in Canaan to the division of the kingdom, special attention being given to the growth of institutions.

Professor KENT

6. *Hebrew History and Literature: The Divided Kingdom*. Three hours. Third Term. Elective for Sophomores, Juniors, Seniors and Graduates.

Study of the history of the Hebrews between 937 and 586 B. C. in connection with the great political movements which affected the nations of southwestern Asia, investigations of the contents, peculiarities and aim of the Old Testament books which belong to the period, and interpretation of the character and work of the great Hebrew prophets in the light of their age.

Professor KENT

## [XII. Biblical Literature and History, continued.]

[1. *Jewish History and Literature*. Three hours. First Term. Elective for Sophomores, Juniors and Seniors.] Not offered in 1900-01.

The life and thought of the Jewish people between the fall of Jerusalem in 586 and the re-dedication of the Temple in 165 B. C.

Professor KENT

[2. *New Testament History and Literature*. Three Hours. Second Term. Elective for Sophomores, Juniors and Seniors.] Not offered in 1900-01.

Study of the Jewish and Roman life, which constitutes the background of the New Testament, and an investigation of the date, authorship and general character of the Jewish and Christian literature of the period between 165 B. C. and 200 A. D.

Professor KENT

[3. *The Beginnings of Christianity*. Three hours. Third Term. Elective for Sophomores, Juniors and Seniors.] Not offered in 1900-01.

Historical study of the life and teachings of Jesus and of the first half century of the Christian Church.

Professor KENT

NOTE: These Courses, 1-6, are for general students as well as for those intending special Biblical work. They are not repeated in successive years, but form a two years' consecutive course, giving a comprehensive view of the entire field of Biblical history. The sources, Biblical and monumental, for each epoch, are studied; then the political, social and religious life and development. The date and authorship of books and the various other questions of literary history for each period are examined, and the teachings of the several documents are drawn out and formulated.

*Biblical Research Club*. A Biblical Research Club, including graduate and undergraduate students interested in the work of the department, has been formed to investigate special Biblical subjects and to promote a more general and intelligent interest in the study of the literature and history of the Bible. The club meets once a month for the review of new books and current literature, reading of papers and free discussion. Arrangements are also made for special addresses before the club.



## XIII. PURE MATHEMATICS

Professors CLARKE, DAVIS, MANNING and SLOCUM, Messrs.  
BLANCHARD, CURRIER, EWER and LESTER.

1. *Geometry, Solid and Spherical.* Five hours. First Term. Required of candidates for the degree of Bachelor of Arts, Bachelor of Philosophy, Civil Engineer or Mechanical Engineer.

Professors CLARKE, DAVIS and SLOCUM, Messrs. BLANCHARD,  
CURRIER, EWER and LESTER

3. *Algebra.* Five hours. Second Term. Required of candidates for the degree of Bachelor of Arts, Bachelor of Philosophy, Civil Engineer or Mechanical Engineer.

Professors CLARKE, DAVIS, MANNING and SLOCUM, Messrs.  
BLANCHARD, CURRIER, EWER and LESTER

2. *Trigonometry, Plane and Spherical.* Five hours. Third Term. Required of candidates for the degree of Bachelor of Arts, Bachelor of Philosophy, Civil Engineer or Mechanical Engineer.

Professors CLARKE, DAVIS and SLOCUM, Messrs. BLANCHARD,  
CURRIER, EWER and LESTER

4. *Spherical Trigonometry.* One hour. First Term. Required of candidates for the degree of Bachelor of Science.

Mr. BLANCHARD

5, 6, 7. *Algebra.* One hour; First Term. Two hours; Second and Third Terms. Required of candidates for the degree of Bachelor of Science.

Mr. BLANCHARD

8. *Determinants and Theory of Equations.* Three hours. Third Term. Elective for students who have passed in 3, or 5, 6, 7.

Mr. CURRIER

9, 10. *Analytic Geometry.* Three hours. First and Second Terms. Elective for students who have passed in 1, 2 and 3; required of candidates for the degree of Bachelor of Science, Civil Engineer or Mechanical Engineer.

Professor DAVIS

11. *Modern Methods in Analytic Geometry.* Three hours. Third Term. Elective for students who have passed in 10. Not to be offered in 1901-02.

Professor MANNING

[30. *Solid Analytic Geometry.* Three hours. Third Term. Elective for students who have passed in 10.] Not offered in 1900-01.

Professor MANNING



## [XIII. Pure Mathematics, continued.]

12. *Differential Calculus*. Three hours. Third Term. Elective for students who have passed in 9 and 10; required of candidates for the degree of Bachelor of Science, Civil Engineer or Mechanical Engineer.

Professor DAVIS

13. *Integral Calculus*. Three hours. First Term. Elective for students who have passed in 12; required of candidates for the degree of Civil Engineer or Mechanical Engineer.

Professor DAVIS

14. *Applications of the Differential Calculus*. Three hours. Second Term. Elective for students who have passed in 12 and 13; required of candidates for the degree of Civil Engineer or Mechanical Engineer.

Professor DAVIS

31. *Applications of the Integral Calculus*. Three hours. Third Term. Elective for students who have passed in 13; required of candidates for the degree of Civil Engineer.

Professor DAVIS

15, 16. *Differential Equations*. Three hours. First and Second Terms. Elective for students who have passed in 13.

Professor MANNING

[18, 19, 20. *Modern Algebra, Higher Plane Curves and Surfaces*. Three hours. Through the year. Elective for Graduates and for candidates for the degree of Bachelor of Science who have passed in 16 and 30.] Not offered in 1900-01.

Professor MANNING

21, 22, 23. *Theory of Functions*. Three hours. Through the year. Elective for Graduates, and for candidates for the degree of Bachelor of Science who have passed in 16.

Professor MANNING

[24, 25, 26. *Differential Equations, advanced*. Three hours. Through the year. Elective for Graduates who have passed in 23.] Not offered in 1900-01.

Professor MANNING

[27, 28, 29. *Substitutions and Transformation Groups*. Three hours. Through the year. Elective for Graduates.] Not offered in 1900-01.

Professor MANNING

## [XIII. Pure Mathematics, continued.]

32, 33, 34. *Quaternions, Non-Euclidean Geometry and Hyperspace.* Three hours. Through the year. Elective for Graduates.

Professor MANNING

35, 36, 37. *General Theory of Surfaces, Darboux.* Three hours. Through the year. Elective for Graduates.

Professor MANNING

## XIV. DRAWING

Professors RANDALL and BURNHAM, Mr. KENERSON

1. *Elementary Mechanical Drawing.* Four hours. First Term. Required of Freshmen who are candidates for the degree of Bachelor of Science, Civil Engineer or Mechanical Engineer. Elective for Freshmen who are candidates for the degree of Bachelor of Philosophy.

Eight hours of drawing. Nature, care and use of drawing instruments; elements of orthographic and isometric projection. Largely mathematical; demanding original investigation and accurate execution.

Professor RANDALL and Mr. KENERSON

16. *Elementary Mechanical Drawing.* Three hours. Through the year. Elective for Sophomores, Juniors and Seniors.

Six hours of drawing. Similar to 1. Primarily for candidates for the degree of Bachelor of Arts.

Professor RANDALL and Mr. KENERSON

5, 6. *Descriptive Geometry.* Four hours. Second and Third Terms. Required of Freshmen who are candidates for the degree of Bachelor of Science, Civil Engineer or Mechanical Engineer. Elective for Freshmen who are candidates for the degree of Bachelor of Philosophy and have passed in 1.

Three hours of recitation and two hours of drawing. Theory of orthographic and scenographic projection, discussion and proof of theoretical and practical problems, presentation of principles most needed in handling the complicated problems of engineering.

Professor RANDALL

17, 18. *Descriptive Geometry.* Three hours. Second and Third Terms. Elective for Sophomores, Juniors and Seniors who have passed in 1 or 16.

Two hours of recitation and two hours of drawing. Similar to 5 and 6. A continuation of 16.

Professor RANDALL

## [XIV. Drawing, continued.]

7. *Shades and Shadows and Perspective*. Three hours. First Term. Required of candidates for the degree of Civil Engineer or Mechanical Engineer; elective for students who have passed in 5, 6, or 17, 18.

Two hours of recitation and two hours of drawing. Derivation and proof of theoretical and practical formulæ. Based on descriptive geometry, largely mathematical.

Professor RANDALL

14. *Shades and Shadows and Perspective, advanced*. Three hours. Third Term. Elective for students who have passed in 7.

Six hours of drawing. Derivation and application of theoretical and practical formulæ. Perspective of shadows. Arranged for students in architecture.

Professor RANDALL

8. *Elementary Machine Drawing*. Three hours. Through the year. Required of candidates for the degree of Mechanical Engineer; elective for students who have passed in 5, 6, or 17, 18.

Six hours of drawing. Presentation of conventional methods of representing the parts of machines; explanation of machines in detail; sketches, detail and assembly drawings.

Professor RANDALL and Mr. KENERSON

9. *Gearing*. Three hours. Third Term. Required of candidates for the degree of Mechanical Engineer; elective for students who have passed in Mechanical Engineering 1, and in Drawing 5, 6, or 17, 18.

One hour of recitation and four hours of drawing. Lectures and recitations on the theory of spur, bevel and screw gearing; accurate construction, in the drawing room, of illustrative problems.

Professor BURNHAM

10, 11. *Machine Drawing, advanced*. Three hours. First and Second Terms. Required of candidates for the degree of Mechanical Engineer; elective for students who have passed in 8 and 9.

Six hours of drawing. Sketches, detail and assembly drawings of complicated machines.

Professor BURNHAM

12. *Elements of Machine Design*. Three hours. Third Term. Required of candidates for the degree of Mechanical Engineer; elective for students who have passed in Mechanical Engineering 1, and in Drawing 10, 11.

Six hours of drawing. Design of the simpler mechanisms.

Professor BURNHAM

## [XIV. Drawing, continued.]

27, 28. *Machine Design, advanced.* Three hours. First and Second Terms. Required of candidates for the degree of Mechanical Engineer; elective for students who have passed in 10, 11 and 12, and in Mechanics 3, 4 and 6.

One hour of recitation and four hours of calculation and drawing. Extended problems in design, involving the calculation of the strength of the various parts of machines and structures.

Professor BURNHAM

15. *Constructive Geometry.* Three hours. Through the year. Elective for students who have passed in 1 or 16.

Six hours of drawing. Derivation, graphical test and proof of original methods of solving plane and solid geometrical problems. Mathematical.

Professor RANDALL and Mr. KENERSON

13. *Constructive Geometry.* Four hours. First Term. Elective for students who have passed in 1 or 16.

Eight hours of drawing. Similar to 15. For Freshmen who have had the equivalent of 1.

Professor RANDALL and Mr. KENERSON

19. *Mechanical Drawing.* Three hours. Second Term. Elective for students who have passed in 16.

Six hours of drawing. Graphical solution of advanced plane and solid geometrical problems, advanced practical orthographic and isometric projection. For students desiring to continue their course in drawing without taking the theoretical work of descriptive geometry.

Professor RANDALL and Mr. KENERSON

20. *Mechanical Drawing, continued.* Three hours. Third Term. Elective for students who have passed in 19.

Six hours of drawing. Practical work in shades and shadows and perspective.

Professor RANDALL and Mr. KENERSON

2, 3, 4. *Freehand Drawing.* One hour. Through the year. Required of candidates for the degree of Civil Engineer or Mechanical Engineer.

Two hours of drawing. Freehand lettering and sketching. Extensive use of models.

Mr. KENERSON

## XV. CIVIL ENGINEERING

Professor HILL and Mr. BLANCHARD

1, 2, 3. *Surveying*. Three hours. Through the Year. Elective for students who have passed in Mathematics 1, 2 and 3 and in Drawing 1 or 16.

Elementary course in land surveying; use of tape, compass, level and transit; adjustment of instruments. Lectures, recitations, field work, and drawing.

Professor HILL and Mr. BLANCHARD

NOTE: All courses in this department are required of candidates for the degree of Civil Engineer; all except 4, 25, 26, 27 are elective for other students.

4. *Topographical Drawing*. Three hours. Second Term.

Six hours of drawing. Pen and colored topography, conventional signs for maps.

Mr. BLANCHARD

8, 8a. *Surveying, advanced*. One hour and five hours. Third Term. Elective for students who have passed in 1 and 2, but 8 and 8a cannot be elected separately. The field work (8a) is done during the spring recess.

Topography and hydrography, city surveying; use of stadia, plane table, sextant and barometer; precise base-line measurements with steel tape. Methods as in 1, 2, 3.

Professor HILL and Mr. BLANCHARD

5, 5a, 6, 7. *Railroad Engineering*. Two, four, three and three hours. First, Second and Third Terms. Elective for students who have passed in 3 and 8, but 5 and 5a cannot be elected separately.

Theory, location, construction and economics. Methods as in 1, 2, 3.

Professor HILL and Mr. BLANCHARD

10. *Hydraulic Engineering*. Three hours. Second Term. Elective for Juniors and Seniors.

Consideration of water supply mainly from a sanitary standpoint. Lectures, recitations and seminary work.

Professor HILL

## [XV. Civil Engineering, continued.]

11. *Hydraulic Engineering*. Three hours. Third Term. Elective for students who have passed in Mathematics 13 and Mechanics 4.

Supplements the courses in Mechanics 7 and 8, which give the theoretical treatment of the subject. Consideration of Water Supply mainly from an engineering standpoint, irrigation, pumps and pumping machinery. Lectures, recitations and seminary work.

Professor HILL

15. *Masonry*. Three hours. Second Term. Elective for students who have passed in Mathematics 13, Mechanics 4 and Drawing 6.

Calculation of stresses in, and design of, arches, retaining walls and dams; materials of construction. Lectures, recitations and drawing.

Professor HILL

16. *Geodesy*. Three hours. Second Term. Elective for students who have passed in 3 and 8 and Astronomy 4.

Problems in geodetic surveying. Lectures and computations.

Professor HILL

17. *Sanitary Engineering*. Three hours. Third Term. Elective for students who have passed in Mathematics 13, Mechanics 4 and Drawing 6.

Sewerage and house drainage. Lectures, recitations and seminary work.

Professor HILL

18. *Roads and Pavements*. Three hours. Third Term. Elective for Sophomores, Juniors and Seniors.

Mr. BLANCHARD

19, 20, 21. *Laboratory Investigations*. Three hours. Through the year. Elective for students who have passed in Mathematics 13, Mechanics 4 and Drawing 6.

Use and adjustment of instruments, testing materials, stereotomy.

Professor HILL

25, 26, 27. *Lettering*. One hour. Through the year.

Two hours of drawing.

Professor HILL

NOTE: For 1900-01 students in Civil Engineering will take Mechanical Engineering 6 and 7 in place of Civil Engineering 19 and 20.



## [XV. Civil Engineering, continued.]

28. *Framed Structures.* Three hours. Third Term.

Calculation of stresses in roofs and bridges by analytical methods. Lectures, recitations and seminary work.

Mr. BLANCHARD

NOTE: Courses 28 to 32, inclusive, are elective for students who have passed in Mathematics 13, Mechanics 4 and Drawing 1 or 16.

29. *Structural Details.* Three hours. First Term.

Lectures and computations.

Mr. BLANCHARD

30. *Roof Design and Graphic Statics.* Three hours. First Term. Elective for students who have passed in 28, 29.

Drawing and computations.

Mr. BLANCHARD

31. *Bridge Design.* Six hours. Second Term. Elective for students who have passed in 30.

Drawing, computations and field excursions. Design of plate girders, riveted and pin-connected trusses, with working drawings.

Mr. BLANCHARD

32. *Bridges.* Three hours. Third Term. Elective for students who have passed in 28.

Theory of cantilever, draw, continuous, suspension, and arched structures. Lectures, recitations and seminary work.

Mr. BLANCHARD

## XVI. MECHANICAL ENGINEERING

Professors CLARKE and BURNHAM, Messrs. KENERSON, LESTER and STARK

1. *Kinematics.* Three hours. First Term. Elective for students who have passed in Drawing 5, 6, or 17, 18.

Description of the mechanical devices used in machines, with the presentation and proof of the mathematical laws governing the motion of their parts. Stahl and Woods's Elements of Mechanism; recitations, graphical and analytical solution of problems.

Professor BURNHAM



## [XVI. Mechanical Engineering, continued.]

9. *Thermodynamics of the Steam Engine*. Three hours. Third Term. Required of candidates for the degree of Mechanical Engineer; elective for students who have passed in Physics 1, 2, 4 and in Mathematics 12, 13 and 14.

Derivation of general thermodynamic equations and special forms applying to perfect gases and to saturated and superheated vapors. Peabody's *Thermodynamics of the Steam Engine*, supplemented by lectures, recitations and solution of problems especially bearing upon heat-engines.

Professor BURNHAM

3, 4, 5. *Steam Engineering*. Three hours. Through the year. Required of candidates for the degree of Mechanical Engineer; elective for students who have passed in 9.

Principles of heat engines and generators; methods of testing. Lectures, recitations and laboratory work.

Professor BURNHAM and Mr. KENERSON

6, 7, 8. *Materials of Engineering*. Three hours. Through the year. Required of candidates for the degree of Mechanical Engineer; elective for students who have passed in Mechanics 3, 4, 6.

Study of the sources, manufacture and properties of important materials used in engineering; laboratory tests on the strength of materials.

Professor BURNHAM and Mr. KENERSON

10, 11, 12. *Wood-work*. Three hours. Required of candidates for the degree of Mechanical Engineer; elective for Sophomores, Juniors and Seniors.

Six hours of attendance. Carpentry, wood-turning and pattern-work. These courses may be begun in any term.

Mr. LESTER

NOTE: Though courses 10 to 18 are all open to Sophomores, Juniors and Seniors, no more than two of them may be counted towards the degree of Bachelor of Arts, Bachelor of Philosophy or Bachelor of Science.

13, 14, 15, 16. *Metal-work*. Three hours. Required of candidates for the degree of Mechanical Engineer; elective for Sophomores, Juniors and Seniors.

Six hours of attendance. Chipping, filing, and work with the engine-lathe, planer, shaper, milling-machine, vertical drill and surface-grinder. These courses may be begun in any term. See note under 10, 11, 12.

Mr. STARK

## [XVI. Mechanical Engineering, continued.]

17. *Wood-work.* Three hours. Elective during any term for Sophomores, Juniors and Seniors.

Six hours of attendance. Carpentry and wood-turning. Intended for students who wish to take only one term of wood-work. See note under 10, 11, 12.

Mr. LESTER

18. *Metal-work.* Three hours. Elective during any term for Sophomores, Juniors and Seniors.

Six hours of attendance. Chipping, filing and lathe-work. Intended for students who wish to take only one term of metal-work. See note under 10, 11, 12.

Mr. STARK

*Thesis.* A graduation thesis is required of all students who are candidates for the degree of Mechanical Engineer. It may be based either on extended independent study, on original experiments by the student, or on an original design of some complicated machine. In any case it must exhibit satisfactory ability in the student as an engineer.

## MECHANICS

3, 4, 6. *Mechanics of Solids.* Three hours. Through the year. Elective for students who have passed in Mathematics 9, 10 and 12, and who are taking Mathematics 13.

Statics; dynamics, including rectilinear and curvilinear motion, virtual velocity, moment of inertia, work, energy and power, friction; strength of materials, including tension, compression, shearing, torsion, flexure, arches and graphics. Care is taken that a clear understanding shall be gained of all the steps in the deduction of formulæ, so that the student may be able to produce original forms or to modify those already in use to meet particular cases. Practice in the application of principles is afforded in the solution of original problems.

Professor CLARKE

7, 8. *Mechanics of Fluids.* Three hours. First and Second Terms. Elective for students who have passed in 3, 4, 6.

Hydrostatics of liquids, including pressure of liquids in tanks and reservoirs, earth pressure and retaining walls, immersion and flotation; hydrostatics of gases; hydrodynamics, including steady flow, impulse and resistance.

Professor CLARKE

## XVII. ASTRONOMY

Professors UPTON and SLOCUM

1, 2, 6. *General Astronomy*. Three hours. Through the year; elective for Juniors and Seniors who have passed in Mathematics 1, 2, 3.

Fundamental conceptions of the science, methods of professional study, and present state of our knowledge of the heavenly bodies. Young's *General Astronomy*, lectures and abstracts upon assigned topics.

Professor UPTON

3, 4, 5. *Geodetic Astronomy*. Three hours. Through the year. Required of engineering students; elective for Juniors and Seniors who have passed in Mathematics 1, 2, 3.

The application of astronomy to geodesy; use of the sextant, transit and zenith telescope for determining time, latitude and longitude.

Professor SLOCUM

8, 9, 10. *Practical Astronomy*. Three hours. Through the year. Elective for Graduates and for Undergraduates who have shown special aptitude in either 1, 2, 6 or 3, 4, 5.

Advanced study of geodetic applications of astronomy; method of least squares Doolittle's *Practical Astronomy*, with instrumental observations.

Professor UPTON

14, 15, 16. *Mathematical Astronomy*. Three hours. Through the year. Elective for Graduates.

The mathematical theory of planetary and cometary orbits; micrometer observations and calculation of orbits.

Professor UPTON

THE FOLLOWING IS OFFERED ONLY TO STUDENTS OF THE WOMEN'S COLLEGE

1w, 2w, 3w. *Physical Geography*. Three hours. Through the year. Elective for Sophomores, Juniors and Seniors. Not to be offered in 1901-02.

Form, size and motions of the earth, and their geographical consequences. General distribution of land and water. Land formations. Oceans and ocean basins. The atmosphere, winds, rainfall, weather, weather maps, weather prediction, climate. Effect of form, climate, resources, food supply, etc., upon the distribution of population and the history of man.

Professor SLOCUM

## XVIII. PHYSICS

Professors BARUS, PALMER and WATSON

1, [2,] 4. *Elementary Physics*. Three hours. Through the year. Elective for Sophomores, Juniors, Seniors, and others who have passed in Mathematics 1, 2, 3.

First Term, kinematics and dynamics; Second Term, molecular physics and heat; Third Term, electricity alternating with light. Daniell's Principles of Physics, lectures illustrated by experiments and the lantern. Weekly written exercises corrected in detail by the instructors. Designed for those who have had little previous training in Physics; presupposes only a good knowledge of elementary mathematics. The entire course is a unit, setting forth the principles of modern physics. It is sufficiently broad to be a commentary upon whatever preliminary training in physics the student may have had, and to serve as a theoretical introduction to the professional courses.

Professor BARUS

32. *Optics and Acoustics*. Three hours. Third Term. Elective for Juniors and Seniors who have passed in 1, 2.

Lectures on the elementary principles of optics and acoustics.

Professor BARUS

NOTE: This course alternates with 2, for the convenience of the other courses; 32 will be given this year.

5, 9, 10. *Physical Measurements*. Three hours. Through the year. Elective for students who have passed in 1, 2, 4.

One lecture hour and four hours in the laboratory. Elementary theory and practice of physical manipulation. Each student is required to present a neat and comprehensive report of each experiment performed and to solve such problems as may be from time to time assigned.

Professor PALMER

11. *Electrical Engineering*. Three hours. First Term. Elective for students who have passed in 4.

Definite instruction in methods of generating and utilizing electric currents; introductory to the technical courses.

Professor WATSON

## [XVIII. Physics, continued.]

12. *Electrical Engineering*. Three hours. Second Term. Elective for students who have passed in 11, and who have taken or are taking 5, 9, 10, and Mathematics 12.

Technical study of theory and calculations for dynamo-electric machinery.

Professor WATSON

15. *Electrical Engineering*. Three hours. Third Term. Elective for students who have passed in 11 and 13.

Six hours of laboratory work. Practical methods of operating and testing various sizes of standard dynamos, and measuring electric and magnetic quantities.

Professor WATSON

33, 34, 35. *Electrical Engineering*. Three hours. Through the year. Elective for students who have passed in 15.

A continuation of 11, 12, 15. Advanced laboratory work. Alternating current phenomena mathematically treated, definite engineering problems worked out.

Professor WATSON

13, 14, 16. *Mathematical Treatment of Dynamical Problems*. Three hours. Through the year. Elective for Seniors and Graduates who have passed in 10 and Mathematics 16.

Lectures. First Term, discussion of the general principles of dynamics and the development of the general equations of motion; Second and Third Terms, application of these principles to special problems in thermodynamics and hydrodynamics.

Professor PALMER

17, 18, 19. *Laboratory Course, advanced*. Three hours. Through the year. Elective for students who have passed in 10.

Six hours of attendance. For those who are already familiar with the use of physical apparatus and are capable of carrying on investigations more or less independently. Special problems and reference to original sources for methods of solution. Care is taken to develop accuracy of observation, and neatness and clearness in the written reports of experiments.

Professors BARUS, PALMER and WATSON

## [XVIII. Physics, continued.]

20, 21. *Harmonic Analysis*. Three hours. Second and Third Terms. Elective for Seniors and Graduates who have passed in 1, 2, 4 and Mathematics 14, 15.

Importance of Fourier's method shown by examples taken from the analytical theory of heat, from elastics, alternating electricity, and elsewhere; treatment by the aid of spherical harmonics, Bessel functions and Lamé functions.

Professor BARUS

22. *Behavior of Matter through Long Ranges of Temperature*. Elective for Graduates.

Original research. Investigation of accurate methods and data in absolute pyrometry; determination of the high temperature constants of non-volatile bodies with a view to the elucidation of fundamental questions in the physics of the earth's crust.

Professor BARUS

NOTE: Courses 22 to 25, inclusive, occupy more or less time a week, according to the requirements of the students. These courses are definitely organized, and the requisite apparatus is provided for conducting them. Other courses of original research are offered to suit the special needs or training of advanced students. The order of interchange between 13, 14, 16, and 26, 27, 28, and between 20, 21, and 29, 30, 31, is not fixed. The preference of the applicants for instruction will be regarded in determining which shall be given.

23. *Behavior of Matter through Long Ranges of High Pressure*. Elective for Graduates.

Original research. Thermodynamics of the change of state from solid to liquid, due either to fusion or to solution, with especial reference to the continuity of solid and liquid, and to the location of the lower critical temperature.

Professor BARUS

24. *Absolute Viscosity of Solids as Compared with Liquids and Gases*. Elective for Graduates.

Original research. Investigation of absolute data for the viscosity of solids.

Professor BARUS

25. *Physical Properties of the Iron Carburets*. Elective for Graduates.

Original research. A consideration of the physical properties of iron, steel and cast iron with reference to their bearing on metallurgical and electro-technical problems.

Professor BARUS



## [XVIII. Physics, continued.]

26, 27, 28. *Mathematical Theory of Electricity and Magnetism*. Three hours. Through the year. Elective for Graduates and Seniors who have passed in 10 and Mathematics 16.

Lectures. A development of the mathematical theory of electricity and magnetism, and a discussion of the more important problems of electrical science from the standpoint of Maxwell's Treatise.

Professor PALMER

NOTE: This course alternates with 13, 14, 16.

29, 30, 31. *Physics, advanced*. Three hours. Through the year. Elective for Juniors, Seniors and Graduates who have passed in Mathematics 12, 13 and 14.

Lectures on dynamics, potential, elastics, hydrostatics, hydrodynamics, viscosity, capillarity, electrostatics, magnetism, electro-magnetism, thermo-electrics, induction, Fresnel's optics, the electro-magnetic theory of light, thermal analytics and thermodynamics. Completed in two years. Alternating, if desirable, with 20, 21.

Professor BARUS

NOTE: Candidates for the degree of Master of Arts with a major in physics will be held responsible for at least one of the advanced courses in theoretical physics. The requirements for non-resident students with a minor in physics are quite as advanced as for students in residence with a major in physics. The department is able to offer every reasonable facility both for research work and for the study of the higher problems in physics; it is not able to offer much encouragement to those wishing to take degrees not in residence.

## XIX. CHEMISTRY

Professor APPLETON, Messrs. CALDER, SMITH, WILSON and RAIFORD

1. *Descriptive Chemistry*. Three hours. First Term. Elective for Sophomores.

Non-metals, chemical philosophy. Lectures with experiments, written exercises, individual laboratory work.

Professor APPLETON, Messrs. CALDER and SMITH

2. *Descriptive Chemistry*. Three hours. Second Term. Elective for Sophomores.

Metals, their metallurgy, chemical compounds, and practical applications; chemical philosophy continued. Methods as in 1.

Professor APPLETON, Messrs. CALDER and SMITH



## [XIX. Chemistry, continued.]

3. *Descriptive Chemistry*. Three hours. Third Term. Elective for Sophomores.

Carbon compounds or organic chemistry; chemical philosophy continued. Methods as in 1.

Professor APPLETON, Messrs. CALDER and SMITH

4, 5. *Qualitative Analysis*. Three hours. First and Second Terms. Elective for Juniors.

Six hours of attendance. A study of the properties of the metallic elements together with their separation from certain of their compounds, also a study of the chief non-metals and the acids produced by them. Laboratory work, accompanied by recitations in qualitative analysis and in chemical philosophy, and exercises in stoichiometry.

Professor APPLETON and Mr. WILSON

6. *Quantitative Analysis*. Three hours. Third Term. Elective for Juniors.

Six hours of attendance. Study of quantitative precipitations and separations of the most important elements and compounds; a somewhat thorough review of the principles upon which quantitative apparatus is constructed, including the theory of the chemical balance, the merits of the different systems of weights and measures, the use of burettes, graduated flasks, etc.; studies in chemical philosophy and stoichiometry continued. Chiefly laboratory work.

Professor APPLETON and Mr. WILSON

7, 8, 9. *Quantitative Analysis, advanced*. Six hours. Through the year.

Twelve hours of attendance. The assaying of metallic ores, analysis of agricultural materials, including commercial fertilizers, the testing of chemicals used in textile establishments, etc.

Professor APPLETON and Mr. WILSON

NOTE: Courses 7 to 20 are elective for students who have passed in 1 to 6.

10, 11, 12. *Organic Chemistry*. Six hours. Through the year.

Twelve hours of attendance. An extended series of exercises in the preparation and testing of organic compounds, so selected as fairly to represent the different branches of this department.

Professor APPLETON and Mr. RAIFORD

## [XIX. Chemistry, continued.]

13, 14. *Assaying*. Six hours. Second and Third Terms.

Twelve hours of attendance.

Professor APPLETON and Mr. SMITH

17, 18. *Agricultural Chemistry*. Six hours. Second and Third Terms.

Twelve hours of attendance.

Professor APPLETON and Mr. WILSON

20. *The Scouring and Dyeing of Wool*. Six hours. Third Term.

Twelve hours of attendance. The cleansing of wool in the fleece, removal of burrs, preparation and use of mordants, dye-stuffs, etc.

Professor APPLETON and Mr. WILSON

*The Brown University Chemical Society*. The Brown University Chemical Society was organized in 1897 for the purpose of stimulating its members and others in the study of Chemistry. This is accomplished chiefly by conferences, affording opportunities for the discussion of chemical problems, the statement of new discoveries, etc. The society is controlled by undergraduate members of the University. Its meetings are held twice each month, on which occasions papers are read, or lectures delivered, or other appropriate exercises are arranged. The society has made stated visits to chemical works in the vicinity of Providence.

## XX. ZOÖLOGY, GEOLOGY AND ANTHROPOLOGY

Professor PACKARD

## ZOÖLOGY

1, 2. *General Course on Invertebrate Animals*. Three hours. Second and Third Terms. Elective for Juniors and Seniors.

Zoölogy 2 will require six hours of laboratory work.

3. *Evolution*. Three hours. Third Term. Elective for Juniors, Seniors and Graduates.

Primary and secondary factors of evolution; relation of animals to the world around them; variation of species; zoö-geography; effects of light, changes of temperature, food, climate; effects of isolation; kinetogenesis or dynamical evolution; mimicry; heredity; views held by different schools of evolutionists. Lectures and demonstrations.

## [XX. Zoölogy, Geology and Anthropology, continued.]

## GEOLOGY

1. *Physical Geology*. Three hours. First Term. Elective for Seniors.

5. *Structural and Stratigraphic Geology*. Three hours. First Term. Elective for Seniors.

Six hours of attendance. Field and laboratory work.

2. *Historical Geology, including Paleontology*. Three hours. Second Term. Elective for Seniors, or those who have taken Geology 1, 5, and Zoölogy 1 and 2.

Lectures, text-book and laboratory work.

## ANTHROPOLOGY

1. *General Course*. Three hours. Third Term. Elective for Seniors and Graduates.

The principles of ethnology, ethnography and prehistoric archæology; man as related to other primates, origin of man, prehistoric races, language and race, writing, arts of life, amusements, primitive culture, including folk-lore, myths, primitive religious cults, and primitive society. Lectures illustrated by bone, stone and bronze relics of the prehistoric races of Europe, Asia and Africa, by American stone and bone implements, by collections from New England shell heaps, and by lantern views illustrating the fossil races of man and his art-remains in the Old World.

## XXI. COMPARATIVE ANATOMY

Professors BUMPUS, MEAD, GORHAM and TOWER, Dr. PERKINS,  
Miss WING

3, 4. *Comparative Anatomy of Vertebrates*. Three hours. First and Second Terms. Elective for Sophomores, Juniors and Seniors.

Five hours of attendance. Critical and comparative study of the vertebrate organs, with special attention to the structure of man. In addition to the regular lectures, occasional lectures by physicians and others who have given attention to certain special subjects. A limited number of students are permitted to attend the clinics at the Rhode Island Hospital.

Professor BUMPUS

## [XXI. Comparative Anatomy, continued.]

15, 1. *Vertebrate Dissection*. Four hours. First and Second Terms. Elective for Undergraduates.

Six hours of attendance. Course 15 is based upon the dissection of the frog, and course 1 upon the dissection of the cat. For those who desire a general knowledge of anatomy and physiology.

Professor GORHAM

2. *Invertebrate Dissection*. Four hours. Third Term. Elective for students who have passed in 15 and 1.

Six hours of attendance. Practical laboratory course on the comparative anatomy of the lower animals.

Professor BUMPUS

10. *Normal Histology and Micro-Technique*. Three hours. Third Term. Elective for Sophomores and others who have passed with credit in 3 and 4.

Six hours of attendance.

Professor GORHAM

16, 17, 30. *Anatomy of the Nervous System*. Three hours. Through the year. Elective for Juniors and Seniors who have passed with credit in 3 and 4.

Six hours of attendance. Intended to acquaint the student with the gross anatomy and the microscopic structure of the nervous system in vertebrates, especially in man. Attention to the phylogeny, embryology and physiology of the nervous system and to special nerve-methods in micro-technique.

Professor MEAD

NOTE: This course alternates with 31, 32, 33.

18, 19, 20, 21. *Physiology*. Three hours. Third, First, Second and Third Terms. Elective for Juniors and Seniors who have taken Chemistry 2.

Six hours of attendance. Third Term, the chemistry of the proteids, carbohydrates and fats; First Term, the chemistry of salivary, gastric and pancreatic digestions, and the blood and the bile; Second Term, the qualitative and quantitative analysis of certain constituents of the animal body; Third Term, physical physiology.

Professor TOWER

## [XXI. Comparative Anatomy, continued.]

9. *Bacteriology*. Three hours. Second Term. Elective for Juniors and Seniors who have passed in 10.

Six hours of attendance. Preparation and microscopic study of bacteria, the preparation of culture media, isolation, systematic study and determination of unknown species, qualitative and quantitative biological examination of water, milk, air and soil; methods of determining pathogenic properties of bacteria; methods of sterilization and disinfection; special work on pathogenic forms.

Professor GORHAM

[31, 32, 33. *Comparative Embryology*. Three hours. Through the year. Elective for Juniors and Seniors who have passed with credit in 3, 4 or 16, 17, 30.] Not offered in 1900-01.

Six hours of attendance. Designed to give a general idea of the principles of embryological development, such as are involved in the phenomena of fertilization and cleavage of the egg, metamorphosis, organ formation, etc.

Professor MEAD

NOTE: This course alternates with 16, 17, 30 and will be offered in 1901-02.

25. *Biological Theories and Biological Problems*. Elective for Graduates.

Weekly seminary. A general account of the history of biology, discussion of past and present biological theories, examination of certain biological problems, and suggestion of possible methods for their solution.

Professor BUMPUS

27. *Bacteriological Research*. Elective for Graduates.

Laboratory work and seminary.

Professor GORHAM

28. *Advanced Physiology*. Through the year. Elective for Graduates who have sufficient knowledge of chemistry and physiology.

Laboratory work, supplemented by a weekly seminary at which German authors are read and discussed.

Professor TOWER

29. *Human Anatomy*. Elective for Graduates.

Laboratory instruction. In addition to the course in practical dissection, graduate students will be given an opportunity to attend certain operations at the hospital and to be present at autopsies.

Dr. PERKINS

## [XXI. Comparative Anatomy, continued.]

THE FOLLOWING COURSES ARE OFFERED ONLY TO STUDENTS OF THE  
WOMEN'S COLLEGE

15w, 1w, 2w. *Introductory Biology*. Four hours. Through the year. Elective for Freshmen who are candidates for the degree of Bachelor of Philosophy, and for Sophomores, Juniors and Seniors.

Six hours of attendance. A prerequisite to other courses in the department. Anatomy, physiology and hygiene; the gross and minute anatomy of the human body; the functions of the nervous, respiratory, digestive, circulatory, secretory, excretory and reproductive systems; dissection of the frog and the cat; laboratory work supplemented by the use of anatomical preparations of the human body; incidental training in the use of the microscope and other laboratory apparatus.

Miss WING

22w, 23w, 24w. *Hygiene and Sanitation*. Three hours. Through the year.

Chemistry, digestion and economics of food; impurities of air and water; relation of bacteria to health and disease; disinfection and restriction of communicable diseases; emergencies and home nursing. Situation, drainage, plumbing, heating, lighting and ventilation of houses and other questions of home sanitation; visits to certain hospitals, and lectures and demonstrations by nurses and physicians.

Miss WING

## XXII. BOTANY

Professor BAILEY, Messrs. COLLINS and CHAMBERLAIN

1, 2, 3. *General Morphology, Physiology and Ecology*. Three hours. Through the year. Elective for Undergraduates. For Freshmen this is increased to a four hour course.

Six hours of attendance. Comparative study of the seed, the seedling and the mature plant; variations due to environment, etc. Intended especially to train the student to observe and properly interpret the more obvious phenomena of plant life, as well as to furnish the necessary preparation for more advanced work.

Professor BAILEY, Messrs. COLLINS and CHAMBERLAIN

4, 5. *Histology and Physiology*. Three hours. First and Second Terms. Elective for students who have passed in 1, 2, 3.

Six hours of attendance. Structure and physiology of vegetable cells, tissues and organs; experiments in plant physiology; rudiments of micro-technique.

Mr. COLLINS



## [XXII. Botany, continued.]

14. *Medical Botany*. Three hours. Third Term. Elective for students who have passed in 5.

Five hours of attendance. Systematic study of the more important medical plants and their constituents; the location, characteristics and methods of extraction of the commoner drugs.

Professor BAILEY and Mr. COLLINS

7. *Lower Cryptogams*. Three hours. First Term. Elective for Juniors, Seniors and Graduates who have passed in 3.

Six hours of attendance. Comparative study of the structure and development of prominent types of the algæ and lower fungi; collection and classification.

Mr. COLLINS

12. *Higher Cryptogams*. Three hours. Second Term. Elective for students who have passed in 7.

Six hours of attendance. Structure, development and classification of the hepaticæ, mosses, ferns, horse-tails, and club-mosses.

Professor BAILEY and Mr. COLLINS

9. *Mycology*. Three hours. Third Term. Elective for students who have passed in 7.

Six hours of attendance. Structure, development, collection and classification of edible, poisonous and other economic fungi; plant diseases.

Mr. COLLINS

## XXIII. BIBLIOGRAPHY

Mr. KOOPMAN

1. *Books and Libraries*. Three hours. Third Term. Elective for Juniors, Seniors and Graduates.

A general rather than a technical course, being designed primarily for all users of libraries, but serving as an introduction for those intending to make library work a profession. Historical bibliography, manuscripts, printing, modern book-making, publishing, book-selling, book-buying, practical authorship; libraries, ancient and modern, their chief problems, management and use. Lectures by the instructor, oral reports and written discussions by the students.



## COURSES PREPARATORY TO PROFESSIONAL STUDIES

Since the number of elective studies has become large, students looking forward to the profession of the ministry, law, medicine or journalism are not infrequently at a loss to know which branches they ought to choose. To aid such students the following groups of courses are suggested. Competent students who complete these courses with special thoroughness are sometimes able to save a year in professional schools. Besides serving candidates for degrees, these lists will afford direction to students for the professions who may be obliged to limit their collegiate preparation to one, two or three years. No degrees are awarded at the completion of such shorter courses, but certificates of attainment are furnished when desired.

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### PREPARATORY TO THE STUDY OF THEOLOGY

#### FIRST YEAR

The regular Freshman Course for the degree of Bachelor of Arts. See page 42.

#### SECOND YEAR

<i>First Term</i>	<i>Second Term</i>	<i>Third Term</i>
English 1	English 2	English 3
English 13	English 14	English 15
German 1 or French A	German 2 or French B	German 3 or French C
Greek 4	Greek 5	Greek 6
English 16	English 17	English 18
Physics 1 or Botany 1	Physics 2 or Botany 2	Physics 4 or Botany 3
Social Science 12	Political Science 12	Political Economy 12

Latin or French may be substituted for Greek. Chemistry may also be taken here, and followed in the third year by Astronomy. A course in the Semitic languages may be begun at this point, to continue one, two or three years, displacing studies regarded as less important. Other courses in English may, for qualified pupils, be preferable to 16, 17, 18.

## THIRD YEAR

<i>First Term</i>	<i>Second Term</i>	<i>Third Term</i>
Hebrew 1	Hebrew 2	Hebrew 3
Philosophy 2 and 8	Philosophy 3 and 9	Philosophy 4 and 10
English 46 or 55	English 47 or 56	English 48 or 57
History 1	History 2	History 3 or 11
English 4	English 5	English 6

## FOURTH YEAR

<i>First Term</i>	<i>Second Term</i>	<i>Third Term</i>
New Testament 1	New Testament 2	New Testament 7
Philosophy 5 and 33	Philosophy 23 and 34	Philosophy 24 and 35
English 7	English 8	Music 13

In the fourth year, History may be continued instead of Philosophy. Also, courses in Philosophy, in History, in Literature or in Biology may take the place of Social Science.

## PREPARATORY TO THE STUDY OF LAW

## FIRST YEAR

The regular Freshman Course for the degree of Bachelor of Arts. See page 42.

## SECOND YEAR

<i>First Term</i>	<i>Second Term</i>	<i>Third Term</i>
English 1	English 2	English 3
German 1 or French A	German 2 or French B	German 3 or French C
Social Science 12	Political Science 12	Political Economy 12

And in addition, two elective courses, one from the first and one from the second of the following groups :

*(Group 1)*

<i>First Term</i>	<i>Second Term</i>	<i>Third Term</i>
Greek 4	Greek 5	Greek 6
Latin 4	Latin 5	Latin 6
French 4 or 13	French 5 or 14	French 6 or 15
English 16	English 17	English 18

*(Group 2)*

<i>First Term</i>	<i>Second Term</i>	<i>Third Term</i>
Mathematics 9	Mathematics 10	Mathematics 11 or 12
Chemistry 1	Chemistry 2	Chemistry 3
Physics 1	Physics 2	Physics 4

## THIRD YEAR

Philosophy 2	Philosophy 3	Philosophy 4
English 4	English 5	English 6
English 10	English 11	English 12
History 1	History 2	History 3
Political Science 3	Political Science 6	Political Science 16
Elementary Law 1 or 4	Elementary Law 2 or 5	Elementary Law 3 or 6

## FOURTH YEAR

Philosophy, 1 course	Philosophy, 1 course	Philosophy, 1 course
Political Economy 13	Political Economy 14	Political Economy 17
History 4	History 5	History 6
Elementary Law 4 or 1	Elementary Law 5 or 2	Elementary Law 6 or 3
Political Science 4	Political Science 7	Political Science 11

## PREPARATORY TO THE STUDY OF MEDICINE OR BIOLOGICAL SCIENCE

## FIRST YEAR

<i>First Term</i>	<i>Second Term</i>	<i>Third Term</i>
Comparative Anatomy 15	Comparative Anatomy 1	Comparative Anatomy 2
Mathematics 1	Mathematics 3	Mathematics 2
French 1 or German 4	French 2 or German 6	French 3 or German 8
*English 1	English 2	English 3

Candidates for the degree of Bachelor of Arts will take during the Freshman year the regular course scheduled on page 42.

\* Students who take Rhetoric in the Freshman year should elect Botany in the Sophomore year.

## SECOND YEAR

<i>First Term</i>	<i>Second Term</i>	<i>Third Term</i>
Comparative Anatomy 3	Comparative Anatomy 4	Comparative Anatomy 10
German 1	German 2	German 3
Physics 1	Physics 2	Physics 4
Chemistry 1	Chemistry 2	Chemistry 3
English 1	English 2	English 3

## THIRD YEAR

Comparative Anatomy 16 or 31	Comparative Anatomy 17 or 32	Comparative Anatomy 30 or 33
German 4	German 6	Comparative Anatomy 18
Philosophy 2	Philosophy 3	German 8
History 1	History 2	Philosophy 4
English 4	English 5	English 6
Botany 1	Botany 2	Botany 3

## FOURTH YEAR

Comparative Anatomy 16 or 31	Comparative Anatomy 17 or 32	Comparative Anatomy 30 or 33
Comparative Anatomy 19	Comparative Anatomy 9	Anthropology 1
Geology 1 or 5	Comparative Anatomy 20	Botany 14
Botany 4	Botany 5	Comparative Anatomy 21
	Zoölogy 1	Zoölogy 3
	Geology 2	

In the fourth year students are advised to elect courses in Philosophy, History and German, in addition to the above.

## PREPARATORY TO JOURNALISM

## FIRST YEAR

The Freshman Course for the degree of Bachelor of Arts or Bachelor of Philosophy. See pages 42 and 47.

## SECOND YEAR

<i>First Term</i>	<i>Second Term</i>	<i>Third Term</i>
English 1	English 2	English 3
German 1	German 2	German 3
Chemistry 1	Chemistry 2	Chemistry 3
Physics 1	Physics 2	Physics 4
English 16	English 17	English 18
Social Science 12	Political Science 12	Political Economy 12

## THIRD YEAR

<i>First Term</i>	<i>Second Term</i>	<i>Third Term</i>
English 4	English 5	English 6
History 1	History 2	Philosophy 19
English 58	English 59	English 60
History 4	History 5	History 6
Social Science 10	Social Science 2	Social Science 3

## FOURTH YEAR

English 7	English 8	English 9
Political Science 3	Political Science 7	Political Science 11
Political Economy 13	Political Economy 14	Political Economy 17
History 7	History 8	History 9
Philosophy, one course	Philosophy, one course	Philosophy, one course

A knowledge of the Spanish, Italian and Scandinavian languages might be added with advantage to proficiency in French and German.

Some students while in college are able to engage in newspaper work by acting as correspondents of Providence, Boston and New York papers.

## PREPARATORY TO TEACHING

*With special reference to the Women's College*

## FIRST YEAR

The Freshman Course for the degree of Bachelor of Arts or Bachelor of Philosophy. See pages 42 and 47.

## SECOND YEAR

<i>First Term</i>	<i>Second Term</i>	<i>Third Term</i>
English 1	English 2	English 3
German 1 or French A	German 2 or French B	German 3 or French C
English 16	English 17	English 18

And two of the following electives:

Latin 4	Latin 5	Latin 6
Greek 4	Greek 5	Greek 6
French 4 or 13	French 5 or 14	French 6 or 15
Mathematics 9	Mathematics 10	Mathematics 12
Chemistry 1	Chemistry 2	Chemistry 3
Social Science 12	Political Science 12	Political Economy 12

## THIRD YEAR

<i>First Term</i>	<i>Second Term</i>	<i>Third Term</i>
Philosophy 2	Philosophy 3	Philosophy 4
History 1	History 2	History 3
Philosophy 19	English 5	English 6
English 4		

And three of the following electives :

Comparative Anatomy 15	Comparative Anatomy 1	Comparative Anatomy 2
Physics 1	Physics 2	Physics 4
Social Science 10	Social Science 2	Social Science 3
Political Science 4	Political Science 2	Political Science 19
Political Economy 13	Political Economy 14	Political Economy 17
Philosophy 36	Philosophy 37	Philosophy 38

## FOURTH YEAR

Philosophy 5	Philosophy 23	Philosophy 44
Pedagogy 1	Pedagogy 2	Pedagogy 3
Electives, nine hours	Electives, nine hours	Electives, nine hours

Students should of course select those studies which will be of most assistance in preparing for the particular subjects which they intend to teach, omitting if necessary some of those outlined above. The course in Pedagogy should, however, be taken by all. For those who can afford the time, the graduate course in Pedagogy will be found extremely valuable.

# THE WOMEN'S COLLEGE

WILLIAM HERBERT PERRY FAUNCE, D. D., PRESIDENT.

ANNIE CROSBY EMERY, Ph. D., DEAN.

## ADVISORY COUNCIL

MISS SARAH E. DOYLE,      MISS AMELIA S. KNIGHT,

MRS. ELIZA G. RADEKE,      MRS. A. I. C. D. AMES,

MRS. ANNIE HOWES BARUS.

Instruction for undergraduate women is provided for by a department of the University known as the Women's College in Brown University. In graduate work all courses offered in the University are open to both men and women at the same times and places. For graduate courses and degrees see pages 53-55. In undergraduate work the aim of the Women's College is to offer to all properly prepared women precisely the same examinations, the same courses of study under the same teachers, the same degrees, the same opportunities in every respect that the University offers to men, but to preserve the distinct social life of a separate college organized around womanly ideals, and left free to develop itself without the imposition of any theory.

The general direction, supervision and government of the Women's College is in the hands of the President. The immediate charge of the Women's College in respect to registration, teaching, government and discipline, devolves, subject to the direction of the President, on the Dean. The Advisory Council, appointed under the authority of the Corporation, advises with the President and with the Dean upon matters relating to the Women's College, and from time to time makes to the Advisory and Executive Committee, or to the Corporation, recommendations in reference to the Women's College.

The instruction in the Women's College is given by the professors and instructors in Brown University.



Brown University examinations are open to women only when they are registered in the Women's College or as graduate students.

The Corporation receives gifts of money to found scholarships, fellowships and professorships in Brown University for the behoof of its women students, and for the general purposes of the Women's College, and holds and administers such funds as separate and distinct from the general funds of the University. All gifts, legacies and bequests for the Women's College, like those meant for any other department of the University, should be made payable to "Brown University, in Providence, in the State of Rhode Island and Providence Plantations."

## REQUIREMENTS FOR ADMISSION

The requirements for admission to the Women's College are the same that the University demands of men; and the entrance examinations for women are held at the same times and places and under the same conditions as those for men. In place of entrance examinations, certificates may be presented from duly authorized schools. For full information on all these points, see pages 30-40.

## COURSES OF INSTRUCTION

In all the required studies classes are formed which are taught by the professors and instructors who have in charge the corresponding classes of men. Information in regard to the requirements for the various degrees may be found on pages 41-52.

The elective courses are identical in character with those offered to men. The list given on pages 56 to 110 of this catalogue may, therefore, be taken as indicating the range of choice. More precise information as to the courses offered is given each year in the circular issued at the beginning of the summer vacation.

Students who do not wish to become candidates for a degree are admitted to select courses of any extent, consisting either of special work in a single subject or of general studies for one term or more. Each applicant for registration in such a course must present to the

Dean sufficient evidence of her ability to pursue successfully the course chosen. Moreover, every special student, unless excused by the Dean and by the professors in charge of her subjects, must take the regular examinations in those subjects.

## EXAMINATIONS

As a rule, women take the same examinations as those offered to men, and at the same times and places. When this is impracticable, and a separate examination is necessary, the two examinations are made as nearly identical in character as possible. Reports of proficiency are given after all examinations.

Before each University examination period the Dean files with the Registrar of the University a list of all undergraduate candidates for University examinations who are approved by the instructors in the Women's College, thus certifying to the fitness of the candidates to undertake the examinations; but no candidate is admitted to an examination whose term-bill is not paid or satisfactorily arranged-for at least five days before the beginning of the examination period.

## DEGREES

Upon women students who complete with credit any of the regular courses, the Corporation of the University confers the corresponding degrees.

Special students who satisfactorily complete any of the minor courses of study receive certificates of their attainments.

## PHYSICAL CULTURE

Great emphasis is laid upon physical training, and a competent teacher gives instruction in this subject throughout the year. Regular exercise with light apparatus is required three hours each week of Freshmen and Sophomores; it is elective for Juniors and Seniors.

## PEMBROKE HALL

The recitation building for the Women's College is of red brick with stone and terra cotta trimmings, after the old English University style of the fifteenth and sixteenth centuries. The building is three stories high, and is fitted up with every convenience. On the first floor are the offices, a private room for the instructors, and three recitation rooms with a seating capacity of fifty-four in the smallest and seventy-nine in the largest. The hallway is fifteen and one-half feet wide, and the main staircase runs from the first floor to the assembly room at the top of the building. On the second floor are two recitation rooms, a reception room, a study and library combined, thirty by twenty-six feet, and a magazine and reading room, eighteen by twenty feet. The third floor is one large hall, seventy-six by forty-four feet, with open timbered roof and two large fireplaces, and on the south side a platform with a staircase from the rear to a dressing room in a half-story between the platform and reception room. In the basement, which is light, dry and airy, the students' lockers, baths, kitchen and lunch room are located.

The building is named after Pembroke College, Cambridge, England, the alma mater of Roger Williams.

## SCHOLARSHIPS AND PREMIUMS

The Sarah E. Doyle scholarship for young women, consisting of one thousand dollars, has been founded by the woman whose name it bears, the income to be applied toward the payment of the tuition of students in the Women's College who have been prepared for college in the Providence High School.

The sum of one thousand dollars has been paid to the Treasurer of the University to be known as "The Sarah Sutton Scholarship for young women, founded by her daughter, Mrs. Ruth Slater Arnold." The donor reserves the right to nominate candidates for this scholarship for a certain number of years.

The Daniels Scholarship Fund of twenty-five hundred dollars, founded by Harriet Daniels in memory of David Daniels, of the class of 1824, and of Francis Adolphus Daniels, of the class of

1862, the income to be used toward paying the expenses of one or more women pursuing studies either in the University or in the Women's College.

The Howard Scholarship of one thousand dollars, presented by James Leland Howard, of Hartford, Conn.

The Joseph Thayer Scholarship of sixty-five hundred dollars. The income shall be for the education of any young man *or woman*, who is a resident of the town of Uxbridge, desiring a liberal education.

The Rhode Island Women's Club annually devotes the income of its Churchill Fund toward the payment of the tuition of some worthy student in the Women's College.

The Gaspee Chapter of the Daughters of the American Revolution Fund of one thousand dollars has been paid to the treasurer of the University by the Gaspee Chapter of the Daughters of the American Revolution, the income to be given annually to that student in the graduating class of the Women's College who shall present the best essay upon some topic in American history. The topic for the year 1899-1900 was "British Sympathy with the American Revolution from 1765 to 1783." Miss Minnie Catherine Mahy was the successful competitor. The topic for the year 1900-1901 is "The Participation of Rhode Island in the Operations around Boston, 1775 and 1776." The essays are to bear each an assumed name, but to be accompanied each by an envelope marked with such assumed name and enclosing a sheet of paper with the candidate's real name and address. The essays must be handed to the Dean of the Women's College before May 1, 1901. The award will be announced on Commencement Day, when the topic for the ensuing year will be named.

The students of the Women's College are entitled to compete in all examinations for premiums and prizes offered by Brown University. (See index.) Women candidates successful in first premium contests receive collateral prizes awarded by the Dean. In 1900 a first prize in Greek corresponding to the Foster Premium was awarded to Miss Nellie Florence Munroe. A collateral first prize for excellence in preparatory French was awarded to Miss Elsie Marion Straffin.

## EXPENSES

Students of the Women's College pay the same amount as other students of the University. One-half of the tuition and of the incidental expenses is to be paid in advance. The remainder is due January first. Laboratory expenses, etc., are to be paid two weeks before the close of a term. Checks should be made payable to Annie Crosby Emery, Dean.

## CANDIDATES FOR A DEGREE

Tuition, \$105.00 per year. No deduction is made on account of absence.

Incidentals, \$45.00 per year.

Every member of the Freshman Class pays, upon admission to the Women's College, a matriculation fee of \$5.00.

Every member of the Senior Class pays, upon graduation, a fee of \$8.00 for her diploma and other expenses connected with graduation.

## SPECIAL STUDENTS

Special students of the Women's College are charged \$10.00 a term for each course holding three recitations a week. Laboratory charges are in addition to this.

## RESIDENCE

Brown University has recently acquired a home for the students of the Women's College. Mrs. Horatio N. Slater has generously presented to the College her family homestead, at 66 Benefit street, and the building has been entirely renovated and refurnished and a third story added to it. About 20 students can be accommodated with rooms and board. The students who live in the "Slater Memorial" will have in addition certain special advantages that no boarding house can furnish.

1. A genuine college atmosphere.
2. The best of care in case of illness, and medical attendance at reduced rates.

3. Personal supervision of the social life of the students such as a good home ought to offer.

Each student will be charged \$6.00 per week for furnished room and board. In each case the parent or guardian will be required to sign a contract with the Women's College, guaranteeing the payment of \$6.00 per week during the 40 weeks of the College year.

Payment must be made in advance as follows: \$80.00 at the beginning of the first term; \$80.00 at the beginning of the second term; \$80.00 at the beginning of the third term. No student will be allowed to take examinations whose term bills remain unpaid. If any student is absent because of illness for more than a month reasonable reduction will be made.

Desirable homes for students may also be obtained in private families.



## LIBRARIES

The Libraries of the University consist of over one hundred and ten thousand volumes. They comprise the Main Library, which is stored in the fire-proof building, the gift of John Carter Brown of the class of 1816, and the Department Libraries, which are placed in connection with the various laboratories and seminary rooms. Additions are constantly made with reference to the needs of the different departments of study, while at the same time there is kept in view the development of a library of general culture for the use of the students.

### THE MAIN LIBRARY

Though many of the volumes are rare and costly, free access is allowed to the shelves of the Main Library. On the first two floors are arranged the books most in use, the entire west wing of the Library on the first floor being given up to History, the north wing to Periodicals, Fine Arts and Social Science, while the east wing is occupied by works on Literature and Language. The second floor is devoted to Philosophy, Theology, the Sciences and the Arts. In a separate room on this floor is shelved the Harris Collection of American Poetry. This collection, founded by Albert G. Greene, and extended by C. Fiske Harris, was bequeathed to the University by the late Senator Anthony. It receives frequent additions, and now numbers over five thousand bound volumes, being perhaps the largest collection in the world devoted to the subject. On the third floor are kept certain collections, such as works devoted to Rhode Island History, Brown University, Baptist History, and Bibliography, besides many thousand volumes of works infrequently consulted, all arranged according to the classification adopted for the lower floors.

On the first floor, upon the corner tables in the central reference room, are kept the latest numbers of the standard periodicals, American and foreign. Behind them, conveniently arranged, are



books of reference, while various shelves, particularly those on the central table, are devoted to books reserved by the departments. In this room are the Loan Desk where books are charged and returned, and the desk of the Reference Librarian whose duty is to advise and assist students in their use of the books whether for class work or for private reading and research.

The library funds amount to about seventy thousand dollars. Of this sum ten thousand dollars constitutes the Gammell fund for the purchase of books relating to the history of the United States; ten thousand dollars, the Olney Fund for the purchase of plants and botanical books; ten thousand dollars, the Diman Memorial Fund for the purchase of works on mediæval and modern history; and ten thousand dollars, the Banigan Fund for the purchase of books on mediæval and church history. The remainder includes several smaller special funds and the Library Fund proper.

The following persons are entitled to the use of the Library without expense: The members of the Corporation and Faculty; other college officers; graduates residing in the state of Rhode Island; donors to the funds of the University to the amount of five hundred dollars, residing in the state of Rhode Island; graduate and undergraduate students; and also other persons on whom the Corporation or the Library Committee may from time to time confer the privilege.

The Library is open during term time from 9 A. M. to 10 P. M. on week days, and from 1 to 10 P. M. on Sundays; during vacations from 10 A. M. to 4 P. M. on week days.

## THE GERMANIC DEPARTMENT LIBRARY

In the two rooms occupied by the Germanic department in Sayles Memorial Hall is the Conant German Seminary Library, which was purchased in Germany by Professor Williams, in the name of the principal donor, the Hon. Hezekiah Conant. The library now contains over six thousand carefully selected volumes, including editions of all the important writers in German literature; a large collection in Germanic philology; all the leading German literary and philological periodicals; many works upon German history,

the history of German literature, and German law, art, palæography and geography. The library is especially rich in works of the Middle High German period, and in Goethe and Schiller literature. It possesses many works of art which illustrate the subjects taught, bronzes, framed engravings, and volumes of plates. All the officers of the department have their private studies here, and are thus brought into daily contact with their advanced students. The rooms are open from 8 A. M. to 10 P. M.

### THE CLASSICAL DEPARTMENT LIBRARY

The Albert Harkness Classical Seminary, named in honor of its founder, Professor Albert Harkness, Ph. D., LL. D., occupies a large room in Sayles Hall. It is furnished with a library of fifteen hundred volumes, purchased with funds contributed by friends of the University interested in classical studies. In selecting the books, the requirements of a good working library were studied with particular care. The most important collections of Greek and Roman authors, the best commentaries, reference books and similar aids are therefore to be found here; and the seminary is made the centre for advanced study and research in the classical languages and literatures. Though primarily intended for graduates, the seminary is open to such of the undergraduates as are qualified to profit by its advantages. The room is open from 9 A. M. to 10 P. M.

### THE ROMANCE DEPARTMENT LIBRARY

In a room in Sayles Hall, set apart for the use of advanced students in the Romance languages, is a small but choice special library. Here all the graduate courses of the department are conducted; and one of the professors or instructors is constantly at hand to give informal assistance and advice to those admitted to the privileges of the collection.

### THE BIBLICAL DEPARTMENT LIBRARY

For the use of students in the Biblical department number 3 Sayles Hall has been equipped and provided with a selected reference library consisting of about one thousand volumes. A valuable

collection of Semitic books has also recently been presented to the library by Mr. Jacob Shartenberg of Pawtucket. The room is open from 9 A. M. to 10 P. M., and a curator is in attendance to assist students in verifying references.

## OTHER SPECIAL LIBRARIES

Most of the other departments of the University have special collections of books for seminary and advanced laboratory work. The most important of these belong to the departments of English, Physics, Botany, Comparative Anatomy, Engineering, Astronomy, Mathematics, and Drawing. There is an excellent reference library in Pembroke Hall.

## THE SEARS READING ROOM

The Sears Reading Room Association, conducted by the students, occupies a commodious and well-lighted room, conveniently situated on the first floor of University Hall, fitted up especially for its use, and supplied with the most important newspapers, daily and weekly, as well as with a variety of the more popular illustrated periodicals.

## OTHER PROVIDENCE LIBRARIES

There are also practically at the service of the students of the University the five collections of books named below. These comprise with the University Library, more than a quarter of a million volumes, exclusive of pamphlets and manuscripts. The first three named are entirely free, and the other two are readily available.

## THE PROVIDENCE PUBLIC LIBRARY

All students of Brown University are allowed, upon the same conditions as other residents of the city, to make use of the well selected Public Library of Providence. It comprises over 91,000 volumes, and occupies one of the most beautiful and best planned library buildings in America, standing at the corner of Washington and Green streets, completed in 1900. The building includes various special collections and departments, but its principal rooms

are open from 10 A. M. to 9 P. M. ; on Sundays and legal holidays from 2 to 9 P. M. Among its special departments may be mentioned the Harris Collection, on slavery and the Civil War, on the Third Floor ; the Educational Study-room and the "Standard Library" of best literature, on the Second Floor ; and the Reference Department on the Ground Floor. The Library of the Rhode Island Medical Society is on the Third Floor. The library staff will be glad to be consulted with respect to books in any of the departments of University study, and to prepare lists of references in connection with any of the special topics under consideration.

## THE LIBRARY OF THE PROVIDENCE ATHENÆUM

The Athenæum furnishes a home library, larger and better than that within the means of any individual shareholder. Its growth is along the lines of general literature. The library numbers 62,000 volumes, and the reading room receives upwards of 150 papers and magazines, including New York, Boston, and Providence daily papers, and American, English, German, French, and Italian weeklies, magazines and reviews. In bound sets of periodicals this library is especially rich. Professors or teachers, non-residents of the city, may become annual subscribers on the payment of four dollars in advance, and any student of Brown University whose family does not reside in the city, or who may obtain special privilege from the board of directors, may become a subscriber for three months on the payment of one dollar in advance. The Athenæum is open, during the college year, from 9 A. M. to 10 P. M.

## THE LIBRARY OF THE RHODE ISLAND HISTORICAL SOCIETY

The Library of the Rhode Island Historical Society is situated on Waterman street, next door to the University Library building. The library of the society comprises 20,000 bound volumes and 40,000 valuable unbound volumes and pamphlets. Through the courtesy of the Society the collection is made accessible, free of

charge to members of the University. It offers special facilities for thorough research not only in all subjects relating to the history of Rhode Island, but also in many departments of general American history. The collection is open from 9 A. M. to 4 P. M.; on Saturdays, from 9 A. M. to 1 P. M.

### THE LIBRARY OF THE RHODE ISLAND MEDICAL SOCIETY

This valuable collection occupies an area of about 2,800 square feet in the new building of the Providence Public Library, on Washington Street, and comprises 14,000 volumes, and numerous pamphlets upon medical science, including biology, physiology, physiological psychology, hygiene, and other subjects the study of which is pursued in the University. Arrangements are easily made whereby any student can, without cost, enjoy the privileges here offered. This collection is open daily, from 2 to 6 P. M.

### THE STATE LAW LIBRARY

This collection of 24,000 volumes may be consulted in the Providence County Court House, at the corner of Benefit and College streets, between the hours of 9 A. M. and 5 P. M. It is accessible to all students, and for certain lines of University study is invaluable.

## LABORATORIES

### THE LADD ASTRONOMICAL OBSERVATORY

The observatory is equipped with a Saegmuller-Brashear equatorial of twelve inches aperture, which is supplied with a filar micrometer, spectroscope and other attachments; two transit instruments, one of which can be used as a zenith telescope; a chronograph; two astronomical clocks; several sextants and chronometers; recording meteorological apparatus; and various minor instruments. The equipment is available for illustrating the general courses in astronomy and for practical use in the applied courses open to undergraduates and graduates.

The observatory furnishes constant time-signals to the Rhode Island Electric Protective Company, by which they are distributed to its patrons. Routine observations for determining clock errors, and for pressure, temperature, humidity and precipitation are made throughout the year. Special observations are also made as opportunity offers.

### THE PHYSICAL LABORATORY

All the courses of instruction offered by the department of Physics are conducted in Wilson Hall. This building was specially designed and constructed for a physical laboratory. The general lecture-room is large and well ventilated, and contains all the necessary conveniences for the experimental demonstration of lectures. Twelve laboratory rooms are available for the experimental study of physics, each room being adapted to the investigation of a particular branch of the subject or available for the arrangement of classes according to proficiency. Brick piers are provided for the support of instruments requiring great steadiness, and the magnetic rooms are as free as possible from iron and other disturbing influences. Several rooms on the ground floor are devoted to a laboratory for electrical engineering, and are



well provided with machinery and instruments. Equipment for certain special investigations recently undertaken has been placed at the disposal of the department by friends of the University. Efforts have been made to develop the facilities for high-temperature and high-pressure work, in the directions specified in courses 22 and 23. The cabinets are well supplied with apparatus both experimental and demonstrative, and frequent additions are made as necessity requires. In all such cases new property is selected with a view to use in the students' laboratory as well as in the lecture-room, and to the exclusion of merely exhibitional apparatus. The department is in possession of a large assortment of historical and other photographs and lantern slides, as well as of cage models illustrating the propositions in pure and applied physics.

## THE ANATOMICAL LABORATORY

The laboratories of the department of Comparative Anatomy are in Rhode Island Hall, and consist of private rooms for instruction, a laboratory for graduate students, a seminar room, a physiological laboratory, a laboratory for bacteriology and histology, a laboratory for neurology and embryology, and the large laboratory for elementary anatomy and the comparative anatomy of vertebrates and invertebrates.

All the laboratories are adequately equipped with appropriate reagents and apparatus. The very large collection of zoological material, the anatomical and histological preparations of the museum, the anatomical collection of the Rhode Island Medical Society, and rich material frequently contributed by the United States Fish Commission from the deep sea dredging excursions, are always accessible to the students. Abundant living material is also readily available, since the laboratory is situated near the salt water and within a few miles of two floating laboratories located on opposite sides of Narragansett Bay.

The department library contains several hundred volumes of the more important works on biology. More than forty current biological periodicals are regularly received, and full sets of many of the most useful journals are upon the shelves.



## THE CHEMICAL LABORATORY

The department of Chemistry occupies a building erected expressly for its use. Besides various subsidiary rooms the building contains the chemical lecture-room and laboratories. Adjoining the lecture-room are rooms containing the apparatus in most frequent use for illustrating the lectures. The students' laboratory is supplied with work-tables and lockers furnishing accommodations for about two hundred and fifty students working by detachments. Adjacent to the students' laboratory are the balance room, the furnace room, the professor's office, and the assistants' laboratory.

## THE BOTANICAL LABORATORY

The botanical department occupies the entire basement of Maxcy Hall. The main lecture room and laboratory will accommodate forty-four students. A somewhat smaller room adjoining is used for a histological laboratory. Instruments and certain materials are provided. The Herbarium, on the same floor, is convenient for consultation and systematic study of native and foreign plants.

## THE PSYCHOLOGICAL LABORATORY

The psychological laboratory occupies rooms in Wilson Hall. It possesses a considerable variety of apparatus for the study of sensations, the determination of discriminative sensibility, the measurement of the duration of mental processes, the detection of physiological accompaniments of changes in consciousness, the study of temperament, and other fields of research. This equipment is especially well adapted for the illustration and demonstration of the main results of experimental work in psychology. Experimental psychology, however, is a science of recent origin, and its many yet unsolved or even unsuspected problems offer a rich field for further investigation. The department aims to make contributions to knowledge on this subject by original research; and the apparatus already possessed, that which can be supplied by the University workshops or by purchase, together with what can be prepared in the laboratory itself to meet the demands of the particular problem, offer good facilities for undertaking such work.

## THE MECHANICAL ENGINEERING LABORATORY

The laboratory, situated in the basement of Sayles Memorial Hall, is provided with excellent apparatus for making the most important tests on the strength of materials. The apparatus includes a 50,000-pound Riehle testing machine, a machine for testing full-sized timber and steel beams, a Riehle cement-testing machine and various pieces of auxiliary apparatus. Laboratory tests connected with the course in steam engineering use as a basis the various engines and boilers operated by the University.

## THE MECHANICAL ENGINEERING WORKSHOPS

There are two workshops, one for wood-working and the other for metal-working. The wood-working shop is provided with large and small lathes; circular, band and jig saws; buzz and surface planers, and vertical boring and mortising machines. The metal-working shop has several engine lathes of good sizes, hand lathes, a planer, a shaper, a milling-machine, large and small vertical drills, a universal grinder, a surface grinder and a cutter and reamer grinder. The machine tools are run by two ten-horse-power electric motors. Both shops are well supplied with benches and bench tools.

## THE DRAWING ROOMS

The drawing rooms devoted to mechanical and freehand drawing are located on the top floor of University Hall and are reached through the south entrance. These rooms are large and well-lighted and accommodate two hundred students. About two hundred and twenty-five valuable models in wood and metal have been collected. Many of these are mechanical in nature and are extensively used in the courses. The department possesses a dark room, exposure frame

and washing tank, for preparing and developing blue-prints. Through the generosity of friends a library for students interested in drawing and allied subjects has been established. A limited number of sets of drawing instruments have been provided for the use of deserving students who would otherwise be unable to pursue desired courses in drawing.

A commodious and splendidly equipped drafting room has recently been erected over the mechanical engineering workshops for the use of the departments of civil and mechanical engineering. This room has desks for about sixty students and also contains the office of each department and the departmental libraries. Several hundred drawings and photographs have recently been acquired which greatly facilitate the instruction in design.

# MUSEUMS

## THE MUSEUMS OF ZOÖLOGY AND ANTHROPOLOGY

The Museums of Zoölogy and Anthropology are in Rhode Island Hall, and are open to the public daily. Students desiring to use the collections for the purpose of study or investigation are given every encouragement, the aim being to make the museums not mere exhibition rooms, but places for work.

The zoölogical and anatomical collections of the University form the Jenks Zoölogical Museum, although large quantities of valuable material are still in storage awaiting suitable and sufficient case room for proper installation.

The Museum of Anthropology contains a collection of articles of dress and rare implements from foreign countries, and a valuable collection of stone implements of the aboriginal races of America.

## THE HERBARIUM

The Herbarium, situated in Maxcy Hall, consists mainly of various collections which have been given or bequeathed to the University. Those of Colonel Olney, Mr. Bennett, Professor Bailey, Miss Stout, and Mr. Brownell are the most prominent. The Olney collection is particularly rich in the genus *Carex*. The Stout Collection consists mostly of ferns. In addition to these collections, many specimens have been obtained by exchange, purchase and small donations. The Olney, Bailey, and Stout collections are nearly all mounted; the remainder are mainly unmounted. These collections are merged in one general herbarium and deposited in cases. They are roughly estimated to contain in all about 40,000 sheets, representing specimens from more than 60,000 localities. The arrangement of orders and genera of the flowering plants is according to Bentham and Hooker's *Genera*

*Plantarum*; the ferns, according to Hooker's *Synopsis Filicum*; the mosses, according to Eaton's list. To these is added the nucleus of a collection of seeds.

Many portraits of famous botanists hang on the walls of the Herbarium room. For these the University is indebted to the generosity of Mr. Charles H. Smith, of Providence. A painted portrait of Colonel Stephen T. Olney, the founder of the department, has been presented to the Herbarium by his niece, Mrs. F. H. Peckham.

## THE MUSEUM OF FINE ARTS

The Museum of Fine Arts occupies the first floor of Manning Hall. It contains plaster casts of rare excellence, chiefly from works of classical sculpture, which are of great value in illustrating ancient history, biography and art.

## PORTRAITS

The University possesses a large number of valuable portraits. Most of them are hung in Sayles Memorial Hall, which is thus made one of the chief centres of attraction on the University grounds. The collection receives accessions every year. It now includes portraits of the University's principal benefactors, of many of its former officers, and of many other distinguished persons, Americans and foreigners; the history of Rhode Island being especially well represented.

## PHYSICAL CULTURE

A certain amount of systematic physical training is required of every undergraduate connected with the University, unless he is physically unable to engage in it.

Upon entering the University every student is given a thorough physical examination by the Director of Physical Culture. From this examination a chart is made out for the student, showing his size, strength and development, and how he compares with the normal standard. Along with these data is given a card indicating how any weakness that may exist is to be remedied, and affording advice in reference to bathing and the general care of the body.

From January until April every student is required to exercise three hours a week in the Lyman Gymnasium. Most of this exercise occurs in classes. For class drill, the Freshmen swing Indian clubs; the Sophomores employ dumb bells; the Juniors engage in single-stick exercise; the Seniors use fencing foils. As a supplement to these drills each class is separated into four divisions, which perform exercises upon chest-weights, horizontal and parallel bars and other apparatus. The movements executed are graded to correspond with the strength and advancement of the several divisions. During the Sophomore and Junior years boxing and wrestling are carried on also in classes. These forms of exercise carefully conducted prove to be in the highest degree popular and beneficial. The remainder of the required three hours a week each student devotes to the fulfillment of the directions given him on the card made out from the measurements taken at the beginning of the year. Each student is regularly marked and credited in his gymnasium work on the basis of faithfulness and punctuality.

In addition to the exercise in the gymnasium, every effort is made to encourage interest in out-door sports and participation in them at proper seasons of the year. Regular exercise in the open

air is urged upon students as of very great importance. Lincoln field adjoins the gymnasium, and Andrews field, about a mile from the University, is available for all forms of atheletic contests.

The general control of all athletic organizations is in the hands of a committee of the Faculty.

## HOSPITAL BEDS

The University owns two free beds in the Rhode Island Hospital, to the occupancy of which the President of the University has the right of appointment. The first of these, THE CHARLES SMITH BRADLEY FREE BED, was established in 1872 by a payment to the hospital of four thousand dollars by the late Judge Bradley, a member of the Board of Fellows, thereby endowing a free bed "under the control of the President of Brown University for the time being, for the benefit of any officer or student of that institution who may have occasion for it." The second, THE GEORGE IDE CHACE FREE BED, was established by a payment to the hospital of a like sum by the late Professor George Ide Chace; this foundation gives to the President of the University "the right to nominate and send to said hospital a patient, being a proper subject for treatment in said hospital, according to the rules of the institution to occupy a bed in said hospital, and to receive the usual care, and medical, surgical and other attendance, and medicines and board, free of charge."



## THE RELIGIOUS LIFE OF THE UNIVERSITY

Brown University was founded by men of profoundest religious impulse and unswerving faith in Christianity. While no religious tests are ever imposed on any officer or student, but perfect freedom is guaranteed to all, the authorities of this University believe that the religious development of students is a matter of primary importance, and that no intellectual culture can compensate for the atrophy of the religious nature. The atmosphere of the University is frankly and unequivocally Christian.

Chapel exercises are held each morning in Sayles Hall at 8.40. At the same hour the Women's College has its chapel service at Pembroke Hall. At each service the undergraduate students are required to attend. The President usually conducts the exercises at one hall or the other.

All students are desired and encouraged to attend divine worship on Sunday, and the churches of the city are most cordial in their attitude toward the student body.

The Brown University Young Men's Christian Association holds its meetings on Wednesday evening. It also conducts four distinct Bible classes, meeting once a week with excellent results. Several of the different religious denominations represented in the University have their associations or clubs, for the promotion of mutual acquaintance and sympathy.

Many of the courses of study offered in the regular University work, such as the courses in Philosophy, Ethics, and Biblical Literature and History, are taught not merely from motives of intellectual curiosity and enthusiasm, but with deep desire to mould character and lead men through nature and history to God. The widening of the curriculum and the multiplication of studies have only imparted new significance to the motto on the seal of the University: "In Deo Speramus."

## STUDENT ADVISERS

The system of student advisers has been instituted in the University. Each member of the Freshmen class is assigned to some member of the Faculty, who serves throughout the year as a special counsellor and friend to that student. The preference of students is consulted, and also the preferences of different members of the Faculty. It is believed that many students are graduated from the University without that personal acquaintance with the Faculty which is usual in smaller institutions. Under the elective system, students are frequently at a loss to decide upon courses of study. On these and all other matters, public or private, the student will be at liberty at any time to secure the counsel of his adviser. The relation between the two is designed to be perfectly fraternal, without restraint on either side.

# ATTENDANCE, EXAMINATIONS AND REPORTS

## REGISTRATION AND ATTENDANCE

All undergraduate students and resident graduate students who desire to attend the University during a given term are required to register at the Registrar's office on or before the first day of such term. Every undergraduate student registered or re-registered after the first day of any term is charged for such registration or re-registration a fee of three dollars, to be remitted only by the President or Dean, and only on presentation of a substantial excuse for the lateness or the change. Any modification of a registration once made is accounted a re-registration.

Each student is expected to attend the daily chapel service and also every exercise in the several studies to which he is assigned.

## EXAMINATIONS AND STANDING

Except in laboratory, seminary and similar work, all classes are examined at the close of each term.

A student is not admitted to examination in a study in which his term work is unsatisfactory to the officer of instruction or from which he has been absent one-half of the time assigned to the study.

The standing of students is indicated by letters as follows :

*H* is assigned to those whose work has been exceptionally good.

*C* is assigned to those who have passed with credit.

*P* is assigned to those who have passed in the subject, but deserve no higher recognition.

*F* is assigned to those whose work during the term has been so unsatisfactory that in the opinion of the instructor they should not be allowed an examination, or to those whose examination has been so unsatisfactory that it should, in the opinion of the instructor,

constitute a failure without regard to the work of the term, or to those who in the combined work of the term and the examination have failed to pass in the subject.

*I* is assigned to those whose work is incomplete, but satisfactory so far as done.

*Abs* is assigned to those who are absent from examination, unless *F* has already been assigned.

Whenever a student's absence from examination has not been excused by the Committee on Absences, the mark *Abs* is changed to *F*.

A student who receives the mark *F* must pursue the subject again with a succeeding class, or if the instructor allows, under a tutor appointed by the head of the department; or, if the failure is in an elective course, he may take as a substitute some other course approved by the Committee on Admission to Advanced Standing.

Examinations other than those regularly appointed are not held except in case of (1) candidates for advanced standing whose examinations are authorized by the Committee on Advanced Standing, (2) students detained from the regular examination whose absences have been excused by the Committee on Absences, (3) students who have been allowed to pursue, under appointed tutors, studies in which they have failed at a regular examination.

A student who wishes to take a special examination must obtain from the Registrar a written authorization, for which he shall pay a fee of \$2.00, unless this is remitted by the President or Dean, and must then arrange with the officer of instruction for the examination.

A student who at the close of a term has failed in three or more studies, counting for more than eight hours of work a week, cannot be again registered without special action of the Faculty.

## REPORTS OF ATTENDANCE AND PROFICIENCY

A careful record is kept of the attendance of every student of the University, and of his proficiency in his several studies. The standing of every undergraduate student is determined at the close of each term. A report is sent to the parent or guardian of

every undergraduate student containing the record of all absences from required exercises, indicating his standing in each of his studies for the term, and announcing his deficiency in any study or studies if such deficiency exists.

## APPOINTMENTS FOR COMMENCEMENT

Every member of the Senior Class is allowed to present for Commencement an oration or a thesis. These papers, which are due on or before the second Wednesday of April, are passed upon by a committee consisting of the President of the University, the Professor of English Literature and a third member elected each year by the Faculty. This committee select such orations, not exceeding ten in number, for delivery at Commencement, as, in view of the writer's thought, composition, and ability to speak, are most worthy of that distinction; and such theses for mention in the Commencement program as are found most deserving for mastery of subject-matter and for excellence in composition.

## EXPENSES

Upon registration every student is required to present a guarantee covering all his college expenses, signed by his parent or guardian, or other responsible person.

Term bills are due, and must be paid or their payment secured, on presentation, at the beginning of each term.

### REGULAR UNIVERSITY DUES

#### UNDERGRADUATE CANDIDATES FOR DEGREES

The dues of each undergraduate candidate for a degree are as follows :

Tuition, \$35 per term ; \$105 per year.

General incidentals, \$15 per term ; \$45 per year.

The incidental expenses are for the printing of programs, examination papers, and the like, the use of the library and gymnasium, heat for these and for the halls and recitation rooms, and the wages of servants to care for the same.

Each undergraduate candidate for a degree pays, upon admission to the University, a matriculation fee of \$5.

Every member of the Senior class pays upon graduation a fee of \$8 for his diploma and other extra expenses connected with graduation.

For laboratory dues, see below.

For expenses of college rooms, see below.

Students leaving college before the middle of a term, unless for misconduct or failure in scholarship, pay in tuition, incidentals and laboratory fees (exclusive of breakage which is charged at cost) only half the usual term dues. Students leaving college on account of misconduct or failure in scholarship receive no reduction.

## SPECIAL STUDENTS

Special students in the University pay, as a rule, full tuition and incidentals, but the charge is proportionately less when students are admitted to courses of less than fifteen hours of class attendance a week.

## GRADUATE STUDENTS

The fees for graduate students in residence are :

Tuition, \$50 per term ; \$150 per year.

Examination for the degree of MASTER OF ARTS, \$15.

Examination for the degree of DOCTOR OF PHILOSOPHY, \$25.

Laboratory dues, see below.

A candidate in residence for the degree of MASTER OF ARTS who has paid tuition for one year may, if necessary to the attainment of his degree, continue his studies for one year more without additional charge.

A candidate in residence for the degree of MASTER OF ARTS who, without remitting his studies, becomes a candidate for the degree of DOCTOR OF PHILOSOPHY is credited with whatever tuition he has already paid, in case his previous work is allowed to count toward the higher degree.

A candidate for the degree of DOCTOR OF PHILOSOPHY who has paid tuition for two years may, without additional charge, continue his studies for two years more if necessary to the attainment of his degree.

The fees for a non-resident candidate for the degree of MASTER OF ARTS are :

Registration fee, \$25.

Tuition, \$10 per term, \$30 per year.

Examination fee, \$15.

For laboratory dues, see below.

A non-resident candidate is entitled, upon payment of the above fees, to pursue one three-hour course at the University. For each additional one-hour course \$5 is charged ; for each additional two-hour or three-hour course, \$10.



A non-resident candidate who has paid tuition for two years may, if necessary to the attainment of his degree, continue his studies for two years more without additional charge, except for work taken in class-room, as stated in the preceding paragraph.

Graduate students not candidates for a degree pay for each course of one hour a week, \$5; for each course of two or three hours a week, \$10.

## SPECIAL LABORATORY DUES

Except in chemistry, graduate students are charged \$5 a term for a three-hour laboratory course. No graduate student, however, whose tuition fees are paid is charged, aside from breakage, more than \$35 a term for all laboratory work.

## CHEMISTRY

Students who take courses 1, 2 or 3 are charged for course 1, \$1; for course 2, \$2; for course 3, \$3, in addition to the regular charges for tuition.

Students who take advanced courses in analytical chemistry are charged \$10 a term for a three-hour course, (six hours attendance), and \$20 for a six-hour course, (twelve hours attendance).

Graduate students pay the same fees as undergraduate students.

All students in the laboratory are charged for their individual breakage of apparatus. This charge seldom exceeds \$3 a term.

## PHYSICS AND ENGINEERING

Students who take courses in the physical laboratory pay \$5 a term for a three-hour course, (six hours attendance).

Students who take shop-work pay \$10 a term for a three-hour course, (six hours attendance).

## BOTANY

Students who take courses in Botany pay \$3 a term.

## COMPARATIVE ANATOMY

The charge for a laboratory course varies from \$2 to \$5.

## ESTIMATE OF ANNUAL EXPENSES

The following is an approximate estimate of the annual expenses of a student occupying (with a room-mate) a dormitory room, without including clothes, travelling or other strictly personal expenses.

	Minimum	Medium	Maximum
Tuition.....	\$105	\$105	\$105
Incidentals.....	45	45	45
Room rent, including heat and service.	25	60	125
Board (40 weeks).....	100	150	280
Books and laboratory expenses.....	10	30	75
Total.....	\$285	\$390	\$630
Matriculation fee (first year), \$5.			
Graduation fee (fourth year), \$8.			

Board is not furnished by the University; but a list, kept by the Steward, of eligible families in the city where board can be obtained, is always accessible to the students. THE BROWN UNIVERSITY COOPERATIVE REFECTORY, organized and controlled by students, furnishes its shareholders with board exactly at cost. At present the price is \$3.75 a week, or \$3.50 if paid in advance. The shares number 120 and their par value is \$10 each. Board is furnished at the same rate to ticket-holders, who pay a fee of \$2 a year or \$1 a term. A number of shares in the Refectory are for sale at the end of each collegiate year, usually at prices not much above their par value.

Students needing to increase their incomes through their own exertions find in the city numerous opportunities for doing so, by giving private instruction, by teaching in evening schools and by other occupations not necessarily inconsistent with their college duties.

## DORMITORY ACCOMMODATIONS

In the College Dormitories there are in all one hundred and forty-seven single rooms and twenty-one suites.

The rooms in Hope College, University Hall, Slater Hall, the Messer House and the College Street House are rented entirely

unfurnished. Those in Maxcy Hall and the Howell House contain all necessary furniture, occupants providing nothing except bed-linen and towels.

The prices given in the following tables include rent, heat and service for the college year. In the Messer House, the Howell House and the College Street House the gas is included. In Slater Hall, University Hall, Hope College and Maxcy Hall there are gas meters for each room and the occupants are charged for the gas used each term.

### ROOM CONTRACTS

Each student renting a room must sign a contract therefor in the form given below, on which surety may be demanded, binding him to pay or see paid the rent of the room through the entire year. Where two students rent a room together, each must sign a contract for half the room expenses. This obligation is not impaired by the student's removal from the University, whatever the cause of such removal.

### FORM OF CONTRACT

The following is a contract between Brown University, party of the first part, and the undersigned, party of the second part. I hereby engage room No.                    in                    ; the same not to be occupied by any other person without consent of the party of the first part, and I bind myself to pay or cause to be paid to the Registrar of Brown University the entire rent, including heat and service, amounting to \$                    for the college year beginning September, 190    .

It is a part of this agreement that I shall be held responsible for all damage or defacement of such room or its furniture, ordinary wear excepted; also that disuse of the room by me on account of illness, or in case registration is refused me owing to low standing or bad conduct, does not impair the obligation of this contract.

Signed.....

This                    day of                    190    .

Students who desire to retain the rooms occupied by them during the present year may do so by signing new contracts for the coming year. These contracts must be filed with the Registrar on or before May 21st, 1901.

All rooms not signed for on the above date will be disposed of at a drawing on May 30th at 10 A. M. Men intending to enter college can arrange to be represented at the drawing by notifying the Registrar.

Not more than two students are allowed regularly to occupy a room or suite.

When the University holds full contracts for a room, the tenant or tenants may admit one or two day-roomers, but not more than two. The names of any such day-roomers must be reported to the Registrar as soon as the arrangement for sub-occupancy is made.

For each day-roomer the University makes an extra charge of one dollar per term for service. This sum is paid to the University by the tenant in chief if there is but one; if there are more it is divided equally among them.

The following conspectus shows the rent and location of each dormitory room controlled by the University.

HOPE COLLEGE						UNIVERSITY HALL					
	Division	Floor	Windows Face	Bedrooms	Rent	No.	Division	Floor	Windows Face	Bedrooms	Rent
1	South	1	E. & S.	There are no separate bedrooms, but Nos. 1 and 2, 5 and 6, 9 and 10, 35 and 36, 39 and 40, 43 and 44, can be used either as suites or as single rooms.	\$123	10	South	2	S. & W.	2	\$250
2	"	"	W. & S.		129	12	"	"	W.	None	115
3	"	"	W.		123	13	"	"	W.	"	115
4	"	"	E.		120	16	"	"	E.	"	100
5	"	"	E.		123	17	"	"	E.	"	106
6	"	2	E. & S.		129	18	"	"	E. & S.	"	133
7	"	"	W. & S.		123	19	"	3	S. & W.	2	240
8	"	"	W.		120	21	"	"	W.	None	112
9	"	"	E.		114	22	"	"	W.	"	112
10	"	"	E. & S.		120	25	"	"	E.	"	100
11	"	"	W. & S.		114	26	"	"	E.	"	100
12	"	"	E.		108	27	"	"	E. & S.	"	121
13	"	"	E. & S.		108	28	"	4	S. & W.	2	220
14	"	4	W. & S.		114	30	"	"	W.	None	100
15	"	"	W.		108	31	"	"	W.	"	100
16	"	"	E.		105	32	"	"	E.	"	97
17	Middle	1	E.		120	33	"	"	E.	"	97
18	"	"	W.		123	34	"	"	E. & S.	"	121
19	"	"	W.		123	36	North	1	College Book Store		
20	"	"	E.		120	40	"	2	W.	None	115
21	"	2	E.		120	41	"	"	W.	"	115
22	"	"	W.		123	43	"	"	W. & N.	2	250
23	"	"	W.		123	44	"	"	E. & N.	None	121
24	"	"	E.		120	45	"	"	E.	"	106
25	"	3	E.		108	46	"	"	E.	"	100
26	"	"	W.		114	47	"	3	W.	"	106
27	"	"	W.		114	48	"	"	W.	"	106
28	"	"	E.		108	50	"	"	W. & N.	2	240
29	"	4	E.		105	51	"	"	E. & N.	None	115
30	"	"	W.		108	52	"	"	E.	"	100
31	"	"	W.		108	53	"	"	E.	"	100
32	"	"	E.		105	54	"	4	W.	"	100
33	North	1	E.		120	55	"	"	W.	"	100
34	"	"	W.		123	57	"	"	W. & N.	2	210
35	"	"	W.		135	58	"	"	E. & N.	None	115
36	"	"	E.		135	59	"	"	E.	"	97
37	"	2	E.		120	60	"	"	E.	"	97
38	"	"	W.		123						
39	"	"	E. & N.		135						
40	"	"	E. & N.		135						
41	"	3	W.		108						
42	"	"	W.		114						
43	"	"	W. & N.		123						
44	"	"	E. & N.		123						
45	"	4	E.		105						
46	"	"	W.		108						
47	"	"	W. & N.		114						
48	"	"	E. & N.		114						

Hope College, North Division, Rooms 33 to 48.  
Maxcy Hall, Rooms 201 to 436.  
Messer House, Rooms 1 to 16.  
College Street House, Rooms 1 to 5.  
Howell House, Rooms 1 to 9.  
The Howell, College Street and Messer Houses were formerly private residences. In them the rent for each room includes gas.

## FELLOWSHIPS AND SCHOLARSHIPS

### GRAND ARMY OF THE REPUBLIC FELLOWSHIP

In 1891 the Grand Army of the Republic, Department of Rhode Island, gave to Brown University the sum of ten thousand dollars, to be forever known as the Grand Army of the Republic Fellowship Fund. Only the income of the fund can be used. This income is for the aid of the graduate of Brown University, of acknowledged excellence in scholarship and character, who before accepting this fellowship must be enrolled as a candidate for the degree of Doctor of Philosophy, unless he has already received that degree, and who will reside at Brown University and devote his entire time to the pursuit of advanced liberal study. The intention is that the income for any year shall all go to the same person, except in case of his death, or his resignation or forfeiture of the fellowship, when a successor may be appointed for the remainder of the year. Holders of the fellowship are appointed by the President of the University, subject to the approval of the Board of Fellows; but the descendants of Union veterans of the Civil War of 1861-65 are always to be preferred when the other qualifications of candidates are equal. No consideration touching the political or religious preferences of candidates can ever enter into the appointments. Appointments to the fellowship are regularly made for one year, but incumbents of special diligence or ability may be re-appointed. The President is authorized to make for the reception and use of the income from this fund such other conditions, not inconsistent with the above, as he may from time to time deem wise and proper. Applications for this fellowship must be made in writing on blanks furnished by the Secretary of the Committee on Graduate Students, and must be in the hands of the President not later than the fifteenth of May. The Grand Army of the Republic Fellow for 1900-1901 is

BERNARD CAPEN EWER, A. M.



## PHILADELPHIA ALUMNI FELLOWSHIP

This is another fund, to be ten thousand dollars, which the Philadelphia Alumni Association of Brown University will soon render available. Its general purpose is to assist graduate students of special ability in pursuing advanced studies at the University.

## SCHOLARSHIPS

The University has about one hundred scholarships. The income of these is given, under the direction of a committee appointed by the Corporation, to meritorious students who may need pecuniary assistance; but a scholarship is forfeited if the holder incurs college censure or fails to secure a creditable standing in his studies.

The following scholarships, seventy-eight in number, are of one thousand dollars each; with the exceptions indicated, they bear the name of their founders:

THE ELEVEN NICHOLAS BROWN SCHOLARSHIPS.

THE FOUR UNIVERSITY SCHOLARSHIPS.

THE PRESIDENT'S (SEARS) SCHOLARSHIP.

THE SIX ALVA WOODS SCHOLARSHIPS.

THE JAMES H. DUNCAN SCHOLARSHIP.

THE ISAAC DAVIS SCHOLARSHIP.

THE ARNOLD WHIPPLE SCHOLARSHIP, founded by Mrs. Arnold Whipple.

THE EPHRAIM WHEATON SCHOLARSHIP, founded by James Wheaton.

THE JOSEPH BROWN SCHOLARSHIP, founded by Mrs. E. B. Rogers.

THE GARDNER COLBY SCHOLARSHIP.

THE CROCKER SCHOLARSHIP, founded by Robert H. Ives and Thomas P. Ives, trustees.

THE CLARK SCHOLARSHIP, also founded by the Messrs. Ives.

THE GEORGE K. AND H. A. PEVEAR SCHOLARSHIP.

THE JOSEPH C. HARTSHORN SCHOLARSHIP I.

THE ROGERS HIGH SCHOOL SCHOLARSHIP, founded by William Sanford Rogers.

THE JAMES WHEATON SCHOLARSHIP.

THE CHARLES THURBER SCHOLARSHIP.

THE PARDON MILLER SCHOLARSHIP, founded by Mrs. Ann E. Miller.

THE HEZEKIAH S. CHASE SCHOLARSHIP.

THE WILLIAM BUCKNELL SCHOLARSHIP.

THE AUSTIN MERRICK SCHOLARSHIP, founded by Mrs. Olive E. Merrick.

THE HORATIO N. SLATER SCHOLARSHIP.

THE EARL P. MASON SCHOLARSHIP.

THE NEWPORT SCHOLARSHIP, founded by William Sanford Rogers.

THE ALEXIS CASWELL SCHOLARSHIP.

THE THREE (HENRY) JACKSON SCHOLARSHIPS.

THE MUMFORD SCHOLARSHIP, founded by Mrs. Louisa D. Mumford.

THE ALBERT DAY SCHOLARSHIP.

THE HENRY P. KENT SCHOLARSHIP.

THE ROMEO ELTON SCHOLARSHIP.

THE FIVE ANNIE E. WATERS SCHOLARSHIPS.

THE L. FAIRBROTHER SCHOLARSHIP, founded by Mrs. L. Fairbrother.

THE GEORGE LAWTON SCHOLARSHIP.

THE JOHN P. CROZER SCHOLARSHIP, founded by Mrs. Margaret Bucknell.

THE JAMES Y. SMITH SCHOLARSHIP.

THE TWO S. S. BRADFORD SCHOLARSHIPS.

THE FRANCIS R. ARNOLD SCHOLARSHIP.

THE CORNELIA E. GREEN SCHOLARSHIP.

THE HENRY CLIFFORD KNIGHT SCHOLARSHIP, founded by Miss Amelia S. Knight, in memory of her brother, of the class of 1875.

THE THURSTON SCHOLARSHIP, founded by the Hon. Benjamin F. Thurston, LL. D., of the class of 1849.

THE RUFUS BABCOCK SCHOLARSHIP, founded by Mrs. Caroline Vassar Babcock Jones, in memory of her father, the Rev. Rufus Babcock, D. D., of the class of 1821.

THE JAMES FLETCHER BLACKINTON SCHOLARSHIP, founded by Mrs. Mary D. Blackinton, in honor of her husband, James Fletcher Blackinton, of the class of 1847.

THE FIVE WILLIAM A. WHITE SCHOLARSHIPS, founded by Mrs. Abby S. A. White, in honor of her husband, William A. White, of the class of 1857.

THE RICHARDS SCHOLARSHIP, founded by the Rev. William Coolidge Richards, of the class of 1837.

THE SAMUEL WHITE DUNCAN SCHOLARSHIP, founded by Mrs. Mary Duncan Harris.

THE TWO GEORGE J. SHERMAN SCHOLARSHIPS.

THE S. DRYDEN PHELPS SCHOLARSHIP, founded by the Rev. S. Dryden Phelps, D. D., of the class of 1844, the income to be given each year to some student who is preparing for the Baptist ministry.

THE BENJAMIN HUTCHINSON JUDAH SCHOLARSHIP, founded by Charles L. Hutchinson of Chicago.

Besides the above scholarships there are others of larger amounts as follows :

THE BARTLETT SCHOLARSHIP, of four thousand dollars, founded by Mrs. Elizabeth Slater Bartlett; the income to be "devoted to the support of one or more students needing pecuniary aid, and giving promise, by studious aim and by character and scholarship, of rising to distinction and usefulness."

THE GLOVER SCHOLARSHIP, of five thousand dollars, founded by Henry R. Glover, "in memory of his father, Samuel Glover, of the class of 1803, and of his brother, Samuel Glover, Jr., of the class of 1839."

THE REBECCA A. WHEELER SCHOLARSHIP, of fifteen hundred and seventy-one dollars, founded by the lady whose name it bears; the income to assist some worthy student, preferably a candidate for the Baptist ministry.

THE SCHOLARSHIP OF THE CLASS OF 1838, of thirty-eight hundred dollars.

THE JOSEPH CHARLES HARTSHORN SCHOLARSHIP II, of two thousand dollars.

THE BANIGAN SCHOLARSHIPS I AND II, of twenty-five hundred dollars each, founded by the late Joseph Banigan, of Providence; the income as far as necessary, to be used each year to defray the tuition of two students of the University.

THE GEORGE IDE CHACE SCHOLARSHIP, of five thousand dollars, founded by Professor George Ide Chace, the income to be assigned each year by the Faculty to some member of the Senior class needing the money, who shows "marked ability, exemplary industry, generous aspirations and irreproachable character."

THE ABBY WHEATON CHACE SCHOLARSHIP, of four thousand dollars, also founded by Professor George Ide Chace; the income to be assigned yearly by the Faculty to some member of the Junior class needing the money, who shows "marked ability, exemplary industry, generous aspirations and irreproachable character."

If either in the Senior or in the Junior class there chances to be no person fulfilling the requirements, of either of these two scholarships, the proceeds of the scholarship for that year must, under the proper direction, be appropriated to the purchase of books for the library of the University.

THE JOHN L. LINCOLN SCHOLARSHIP of twenty-five hundred dollars, and the TRUMAN BECKWITH SCHOLARSHIP of twenty-five hundred dollars, founded by the late Abby G. Beckwith.

THE THAYER SCHOLARSHIP, founded by Edward C. Thayer, in honor of his father, Joseph Thayer, of the class of 1815; the income to be for the education of any young man or woman a resident of Uxbridge, Mass., endorsed by the Selectmen and Superintendent of Schools there, needing pecuniary aid and giving promise by character and scholarship of a life of usefulness. If there is no applicant from Uxbridge the income may go to any applicant from Massachusetts who fulfils the conditions.

THE WALTER G. WEBSTER SCHOLARSHIPS, founded by Walter G. Webster, of the class of 1878; the income to go each year to two young men, members of the Freshman class, holding the full diploma of the Classical High School of the city of Providence and duly matriculated for the degree of Bachelor of Arts; "the nomination to rest with the Principal of said school, and to be made on the basis of character and scholarship, due regard being had to the need of such assistance."

THE WILLIAM GASTON SCHOLARSHIP, of five thousand dollars, established by the widow and children of the late Hon. William Gaston, of the class of 1840. This scholarship is to be awarded annually by the Faculty to some deserving student, upon absolute merit, without reference to financial condition.

## AID FUNDS

These are two in number, the income of which is appropriated in the same manner as the above scholarship funds.

The Aid Fund, established by friends of the University in 1868, and now amounting to \$9,300.

The Daniel W. Lyman Fund for students, established by the late Daniel W. Lyman, and now amounting to \$72,250.

## LOAN FUNDS

The Alumni Association at the last Commencement voted to transfer the fund known as the Brown Loyalty Fund, amounting to about \$4,000, to the Treasurer of the University, as a Loan Fund for students. The principal of this fund will be loaned at interest, to be repaid as may be agreed upon in each instance.

There is also a fund, which is loaned in small amounts without interest for short terms to students needing temporary assistance.

## UNIVERSITY AID

In addition to the income of the Scholarship Aid and Loan Funds, an additional sum is appropriated annually by the Advisory and Executive Committee for the benefit of needy students. Return for this additional aid is expected in the form of service rendered as monitors, assistants in the Library and executive offices, and in other ways as arranged with individual students.

After the present academic year the plan of rendering aid from the University Funds will be somewhat changed. There will be established from the Aid Funds and from the additional sums appropriated annually for the purpose, a number of University Scholarships of varying amount. Those of smaller amount may be awarded to those already holding the endowed scholarships of \$1000 each; a few will yield each \$150 annually, to be awarded to those of the highest scholarship only. Return for scholarship aid will not be expected in the form of service, but the University will establish a Service Department under which students will be employed as monitors, assistants in the Library, and in other ways. The payment for service will be made at regular rates established in advance for each kind of work.

# PREMIUMS AND PRIZES

## FOR EXCELLENCE IN PREPARATORY STUDIES

### THE PRESIDENT'S PREMIUMS

These are derived from the income of a fund presented to the University by President Wayland. They are awarded each year to those members of the Freshman class who upon special examination are found to have attained the highest excellence in the studies required for admission to college in Greek, Latin, and French. First and Second Premiums are awarded in each of these studies.

The examinations for the premiums deal with the general principles and laws of the languages involved rather than with irregularities and exceptions. Great importance is attached to the pupil's familiarity with the subject-matter of the works read, and to his ability to translate with accuracy and facility into clear, appropriate and idiomatic English.

The examination in Greek occurs on the second Saturday of the first term, that in Latin on the third Wednesday, and that in French on the fourth Wednesday.

The award of these premiums for the present year was as follows :

#### GREEK

The First Premium to RALPH HERVEY BEVAN, instructed in the Hope Street High School, Providence.

The Second Premium to GUY BLANDIN COLBURN, instructed in the High School, Nashua, N. H.

#### LATIN

The First Premium to RALPH HERVEY BEVAN, instructed in the Hope Street High School, Providence.

The Second Premium to ROBERT GRANT MARTIN, instructed in the Classical and High School, Salem, Mass.



## FRENCH

The first Premium to RALPH HERVEY BEVAN, instructed in the Hope Street High School, Providence.

A collateral First Premium for an examination of equal merit to ELSIE MARION STRAFFIN, instructed in the High School, Brockton, Mass.

The Second Premium to ARTHUR LINCOLN YOUNG, instructed in the Dorchester High School, Boston, Mass.

## THE HARTSHORN PREMIUMS

These are derived from the income of a fund of one thousand dollars, presented to the University by Joseph C. Hartshorn, A. M., of the class of 1841. The income furnishes three premiums, which are awarded to those members of the Freshman class who upon examination are found to excel in the mathematical studies required for admission. The examination occurs on the third Saturday of the first term.

The award of these premiums for the present year was as follows :

The First Premium to JAMES JOSEPH MCKENNA, instructed in the Hope Street High School, Providence.

The Second Premium to ALBERT BENJAMIN WEST, instructed in the Providence Classical High School.

The Third Premium to RALPH HERVEY BEVAN, instructed in the Hope Street High School Providence.

## FOR EXCELLENCE IN COLLEGE STUDIES

## THE CARPENTER PRIZES FOR ELOCUTION

These prizes are derived from the income of a fund established by Thomas Carpenter, and are awarded annually to the three members of the Sophomore class to whom are assigned, respectively, the first, the second and the third rank of excellence in elocution. The assignment is made by a committee appointed for the purpose, and after a public contest held on the Monday evening before Commencement.



The competitors must be members of the Sophomore class. They may declaim pieces in either prose or verse, selected from English authors. These selections must be approved by the Instructor in Public Speaking. Competitors are to enter their names with this instructor not later than the first day of February. The contest to select the speakers takes place in the latter part of the winter term.

The Committee of Award consists of five members, and is formed as follows: The Professor or Instructor in Public Speaking, who is the chairman; two persons elected by the Corporation, and two by the Sophomore class during the first term of the year; no one who is or has been a member of the class is eligible.

The Committee for 1900 awarded the prizes as follows:

The First Prize to RUSSELL WILLIAM RICHMOND

The Second Prize to THOMAS BURGESS

The Third Prize to HOWARD JOSEPH WHITE

### THE HICKS PRIZES FOR EXCELLENCE IN DEBATE

These are derived from the income of a fund presented to the University by the Hon. Ratcliffe Hicks, of the class of 1864. They are annually awarded to the two members of the Junior class who, in the judgment of a carefully selected committee, display the greatest ability in debate. The contest is held on the evening before Class Day.

For the year 1899-1900 the prizes were awarded in equal parts to

CHARLES BARKER FERNALD, the First Prize

HARVEY NATHANIEL DAVIS, the Second Prize

### THE DUNN PREMIUM

A fund amounting to somewhat over eight hundred dollars was presented to the University by pupils and friends of the late Professor Robinson Potter Dunn, D. D., the income to be given, at the end of the Junior year, to the student having the highest standing in rhetorical studies, "rhetorical studies" meaning here those in the

department of Rhetoric and Oratory. The nomination for the premium is made by the officers in this department, and has regard to the number of studies which the competitors have taken as well as to the rank which they have attained therein.

For the year 1899-1900 the premium was awarded to

THACHER HOWLAND GUILD

### THE CARPENTER PREMIUMS

These two premiums, of sixty dollars each, are derived from the income of a fund established by Thomas Carpenter and Lydia Carpenter. They are assigned at the end of the Senior year to the two members of the Senior class who, "already on scholarships, shall, in the judgment of the Faculty, unite in the highest degree the three most important elements of success in life—ability, character and attainment."

For the year 1899-1900 the Carpenter Premiums were awarded to

FREDERIC LENT

and

ARTHUR EDWIN NORTON

### THE HOWELL PREMIUM

This fund, amounting to one thousand dollars, was presented to the University by the late Gamaliel Lyman Dwight. The income is given at the close of the second term of the Senior year to the student who, "having a good record of deportment, has the highest rank in Mathematics and Natural Philosophy." To be considered a candidate for the premium, a student must, each term from the Freshman year to the end of the second term in the Senior year, select at least one of the elective studies offered in Pure or Applied Mathematics.

For the year 1899-1900 this premium was awarded to

CHARLES HUNTINGTON PORTER

A collateral first premium for equal merit to

MARTHA WILBUR WATT

## THE CLASS OF 1873 PRIZE

A fund of one thousand dollars has been presented to the University by the class of 1873, on the condition that its income should be used as a prize for an essay. The prize is annually offered for competition to members of the Senior class, the subject being of a historical nature one year and of a philosophical nature the next. In 1899-1900 it was historical. No award was made.

## THE FOSTER PREMIUM IN GREEK

The premium is derived from the income of a fund of three thousand dollars bequeathed to the University by the Hon. Lafayette Sabine Foster, LL. D., of the class of 1828. In accordance with the terms of the donor's will, the income of this fund is to be "annually paid to that scholar of the institution who passes the best examination in the Greek language, the examination to be made in the first, third and twenty-fourth books of Homer's Iliad or in the Oration on the Crown by Demosthenes."

The next examination, open to the members of the Senior class, will be held early in May, 1901. Candidates will be examined in the Iliad.

On Commencement Day, June 20, 1900, the President announced the award of the prize to

FRANK THURSTON HALLETT

and a collateral prize for an examination of equal merit to

NELLIE FLORENCE MUNROE

## THE LUCIUS LYON PREMIUMS IN LATIN

These are derived from the income of a fund of five thousand dollars presented to the University by Mrs. Caroline L. Lyon, in memory of her husband, Lucius Lyon, of the class of 1844. Five-tenths of the income each year form the first premium, three-tenths the second, and two-tenths the third. Any part of the income not needed in any given year must be added to the fund. The premiums are awarded only as the result of a special examina-

tion held during the last term of the Senior year, and only for real merit. The examination may relate to the Latin language, Roman literature, Roman history, or partly to one of these subjects and partly to another or to both the others. The President of the University and the head of the Latin department prescribe for admission to the examination such conditions as in their judgment will secure the best results.

For the year 1899-1900 the prizes were awarded as follows :

The First Prize to HARRY KAY POOLE

The Second Prize to EDWIN SCHUYLER COBB

The Third Prize to FRANK THURSTON HALLETT

### SENIOR ESSAY MEDAL

The National Society of the Sons of the American Revolution offers for competition at the annual Commencement a silver medal, to be awarded by the Faculty on behalf of the society, for the best Senior essay containing not less than 1600 and not more than 2000 words, upon the principles fought for in the American Revolution. The medal bears the name of the winner and the name of the University. The competition at Brown University is in the charge of the department of Rhetoric and Oratory.

A copy of the prize essay from each institution where the competition occurs is sent to the President-General of the society. These essays are referred to a select committee of the society, which awards to the writer of the one it deems the most meritorious a gold medal of the value of one hundred dollars.

In 1900 no medal was offered.

### THE GASTON PRIZE MEDAL FOR EXCELLENCE IN ORATORY

This fund of three thousand dollars, a memorial to the Hon. William Gaston, LL. D., of the class of 1840, annually provides a gold medal bearing the name "William Gaston," to be awarded to that member of the graduating class "who shall write and at Commencement pronounce in English the best oration."

Any member of the Senior class, in good standing, may compete for the medal provided he has been five full terms at the University, has regularly attended and faithfully performed the work in elocution and oratory required during the course, and has shown himself proficient as a speaker and writer. Each competitor is required to deposit in the Registrar's office, on or before noon of the first Monday in the Spring term, an oration of his own composition, type-written and signed with his name. No oration as completed for delivery may consist of more than fifteen hundred words. Before it is delivered at Commencement each oration must be rehearsed at least five times before the Professor or Instructor in Oratory, such rehearsals to be completed at least one week before Commencement Day. At the first rehearsal each speaker is required to hand to the Professor of English Literature an autograph copy of his oration for preservation in the University Library.

The Committee of Award consists of three persons not members of the Faculty, to be selected as follows: One by the President of the University, one by the Faculty, and one by the contestants. No speaker at Commencement is permitted to make use of a prompter. The members of the committee take into account thought, composition and delivery.

On Commencement Day, June 20, 1900, the Gaston medal was awarded to

WALDO GIFFORD LELAND.

## LECTURES

During the year 1898-99 the following lectures, many of them open to the public, were delivered before various University bodies :

### *Before the Philosophical Club*

The Relation of Ethics and the Law. The annual address. Professor George H. Palmer, LL. D., of Harvard University.

### *Before the Departments of Social and Political Science and Political Economy*

International Law. Captain Charles H. Stockton, President of the U. S. Naval War College.

The Consular Service. Hon. James C. Monaghan, U. S. Consul at Chemnitz, Germany.

The Social Reform Movement. Rev. William D. P. Bliss, of Los Angeles, Cal.

The New Caucus Act. Hon. John T. Blodgett, A. M., of Providence.

The Movement for Family Reform. Rev. Samuel W. Dike, LL. D., of Auburndale, Mass.

### *Before the Biblical Research Club*

The Modern Reader's Bible. President W. H. P. Faunce, D. D., of Brown University.

The Extra Canonical Sayings of Jesus. Rev. Edward C. Moore, Ph. D., of Providence.

The Different Point of View. The Rt. Rev. William N. McVickar, D. D., of Providence.

The Relation of the College Graduate to the Sunday School Problem. Rev. Albert E. Dunning, D. D., Editor of the Congregationalist.

Hebrew Methods of Composition as Illustrated by the Book of Jeremiah. Prof. Charles R. Brown, D. D., of Newton Theological Seminary.

Annual Address: The Ethical Method of Jesus. Prof. Joseph H. Thayer, D. D., of Harvard University.

### *Before the Graduate Club*

The Student Literature of the Middle Ages. Prof. Charles H. Haskins, Ph. D., of the University of Wisconsin.

# DEGREES CONFERRED IN 1900

## DEGREES IN COURSE

### THE DEGREE OF BACHELOR OF ARTS

ON

LUTHER BENTLEY ADAMS  
CLIFFORD SPENCE ANDERSON  
ASA WARREN ARMINGTON  
HERBERT HAMLIN ARMINGTON  
WILLARD HENRY BACON  
GEORGE GILES BASS  
RALPH NORMAN BROWN  
JAMES BOISE BUSH  
MONCRIEFFE CAMERON  
FRANK WALTER CAMPBELL  
HAROLD STEARNS CAPRON  
DANIEL CHAMPLIN CHACE  
EDWIN SCHUYLER COBB  
FRANCIS SESSIONS COLE

With date 1899

JOHN STEELE COLWELL  
GEORGE SAUNDERS COOPER  
HERBERT RICHARD CROSS  
WALTER HAYES DETMERS  
ROSCOE MORTON DEXTER  
DANA FLETCHER DOWNING  
JOSEPH WARREN DOWNS  
FRANK BIRCH EASTON  
FRED TARBELL FIELD  
ALBERT JONATHAN FROHOCK  
EARNEST HUBBELL GILBERT  
JAMES BRUCE GILMAN  
HENRY JEWETT HALL  
FRANK THURSTON HALLETT  
JOHN LAWRENCE HOOD  
HORACE MASON HOVEY  
DANIEL HOWLAND  
RAY OSGOOD HUGHES

ROLLA ELIJAH HUNT  
JOHN WESLEY HUSE  
MELVIN CLERMONT JOHNSON  
WALDO GIFFORD LELAND  
FREDERICK LENT  
CLARENCE BROWN LESTER  
HAROLD BURNHAM MARYOTT  
HOWARD HARRIS MASON  
WALTER HOWARD MITCHELL  
NORMAN ALLEN MOSS  
CLARENCE ELNATHAN NORRIS  
EDWARD ARTHUR NORTHROP  
FREDERIC CHARLES PARKER  
LEONARD MERRICK PATTON  
JOSEPH LEISHMAN PEACOCK  
BENJAMIN OBEAR PILLSBURY  
CHARLES HUNTINGTON PORTER  
LYMAN ALPHEUS RANDALL  
ARCHIBALD TENNANT REOCH  
CHARLES PICKETT ROUNDY  
ALBERT LYON SCOTT  
EARL AUGUSTINE SMITH  
JESSE FLOYD STINARD  
RALPH WILLIAM STODDARD  
HOWARD ARNOLD SWALLOW  
NATHAN ALBERT TUFTS  
ARTHUR WAKEFIELD  
JAMES WARREN  
DANIEL OSCAR WEBSTER  
CLINTON CHASE WHITE  
ALONZO ROGER WILLIAMS  
GEORGE CURTIS WING JR.  
HOWLAND WOOD



RUTH EDNA BACHELDER  
HELEN LOUISE BLISS  
EMILY ESTELLE CAMPBELL  
HELEN LOUISE GIVEN  
PEARL BELLE GRANT  
BEULAH MARY HAIN  
MABEL SNOW LEVALLEY  
MINNIE CATHERINE MAHY  
ADRIENNE MATHEWS

NELLIE FLORENCE MUNROE  
JOSEPHINE MARTHA SCHOFIELD  
SUSAN ROBBINS SCOTT  
HARRIET ELSIE SPOONER  
MARY RANDALL STARK  
LURA COOPER STONE  
EULALIA JEANETTE TOWNE  
HELEN BOWEN WATERMAN  
NETTIE ESTELLA WHITE

## THE DEGREE OF BACHELOR OF PHILOSOPHY

ON

HERMAN MELVIN BLAISDELL  
ERNEST HARRIMAN BOYNTON  
WALTER ALEXANDER BRIGGS  
CHARLES WILSON BROWN  
JOHN SMITH BROWN JR.  
RALPH STANDISH BRYDEN  
JOHN MOWRY CAPRON  
HERBERT EDWARDS BROWN CASE  
JOHN LEE CHAPMAN JR.  
JAMES WALLACE CHESBRO  
CHARLES WESLEY CLARK  
MENDELL WINTHROP CRANE  
CLAUDE BURTON DAKIN  
AUSTIN HERVEY FITZ  
FRANCIS HENRY HAMMILL  
HOMER WARREN HANSCOM  
WILLIAM LEONARD HILL  
THOMAS HOPE  
GEORGE LLEWELLYN HUNT  
FREDERIC VINAL HUSSEY  
PHILIP CLAY JACK

MYRON DANIEL LAPHAM  
GEORGE MARSDEN  
PHILLIP JOHN MCQUAID  
CHARLES BARTLETT MOSELEY  
ARTHUR EDWIN NORTON  
JOHN FRANCIS O'GARA  
LAWRENCE GILPIN PAINTER  
MAURICE VORRIES PERKINS  
HARRY KAY POOLE  
ARTHUR OSBORNE PRITCHARD  
LEMUEL CHARLES RAIFORD  
FORDYCE THOMAS REYNOLDS  
ROBERT CORNELIUS ROBINSON  
CHARLES KIRTLAND STILLMAN  
ALLAN REMINGTON THATCHER  
ELIHU SANFORD TUTTLE  
MICHAEL JOSEPH TWOMEY  
RAY LESTER WHITNEY  
JOHN ALBION YOUNG  
HIRAM LAMONT YOUTZ

ALICE MAY BALLOU  
CLARA REYNOLDS BASS  
ANNA CARRIQUE BUFFINTON  
LYDIA GARDINER CHACE  
EDITH RAY CLAPP  
MABEL INGRAHAM COBB  
EDITH DOLLY DAVISON  
EMILINE EDDY FITZ  
MARY PRENTISS HILL  
LORETTA LUDWIG

SUSAN GERTRUDE MACKIE  
FLORENCE CARTER SEAGRAVE  
GEORGE LILLIAN SMITH  
HELENA RUSSELL STEWART  
EDNA ISABEL WARNER  
MARTHA WILBUR WATT  
ETHEL GERTRUDE WESTCOTT  
MABEL GARDNER WHITE  
INEZ LUANNE WHIPPLE

## THE DEGREE OF BACHELOR OF SCIENCE

ON

GILBERT NEWTON BATCHELDER

## THE DEGREE OF CIVIL ENGINEER

ON

MICHAEL SHELLY BRENNAN

ARTHUR LEONARD GILES, A. B.

## THE DEGREE OF MECHANICAL ENGINEER

ON

CHARLES GERMANE RICHARDSON

## THE DEGREE OF BACHELOR OF ARTS

in connection with their classes

ON

GEORGE EDWIN HERR, Class of 1854

CHARLES BAYLIES CHASE, Class of 1855

CHARLES EMERSON BAILEY, Class of 1864

GABRIEL NELSON GRISHAM, Class of 1878

ZENAS LOCKWOOD LEONARD, Class of 1880

## THE DEGREE OF BACHELOR OF PHILOSOPHY

in connection with his class

ON

EDWIN LEHMAN JOHNSON, Class of 1884

## DEGREES AFTER EXAMINATION

## THE DEGREE OF MASTER OF ARTS

ON

HARLAN JUDSON BALLENTINE, A. B. CHARLES DANIEL EASTON, A. B.

MARTHA SHEPARD BRIGGS, A. B. BERNARD CAPEN EWER, A. B.

FLORENCE POTTER CASE, A. B. CALEB ALLEN FULLER, PH. B.

CHARLES OSMOND COOKE, PH. B. GEORGE ALBERT GOULDING, A. B.

RUTH STORY DEVEREUX, A. B. BERTHA BEATRICE GRANT, A. B.

ELIZABETH CHRISTINA GRANT, PH. B.	WILLIAM JOB REYNOLDS, A. B.
MINNIE ARABELLA HALL, A. B.	JONATHAN RISSER, A. B.
CLARENCE GRANT HAMILTON, A. B.	ADAM FRANKLIN ROSS, PH. B.
CARLOS GROUT HILLIARD, A. B.	ALICE RACHEL SHEPPARD, A. B.
WILLIAM JONES, A. B.	HARRY SHEPHERD SMITH, A. B.
FRANK EDWIN LAKEY, A. B., with date, 1899	EMMA BRADFORD STANTON, PH. B.
RICHARD MARTIN, A. B.	EDITH AUGUSTA THOMPSON, A. B.
ALBERT SWIFT MORSE, A. B.	LEE BARKER WALTON, PH. B.
	JOHN EDMUND WELLS, PH. B.

## THE DEGREE OF DOCTOR OF PHILOSOPHY

ON

SIDNEY ALGERNON SHERMAN, A. B.

*Subjects:* Social Science, Political Science, Political Economy.

*Thesis:* "Advertising: Its History and Present Forms."

HOWARD KEMBLE STOKES, A. B., A. M.

*Subjects:* Political Economy, History.

*Thesis:* "A Century of Providence Finance."

LEWIS HAMILTON MEADER, A. B., A. M.

*Subjects:* History, Political Science.

*Thesis:* "The Council of Censors."

## HONORARY DEGREES

### THE DEGREE OF DOCTOR OF LETTERS

ON

MARY EMMA WOOLEY

### THE DEGREE OF DOCTOR OF SCIENCE

ON

JOHN HOWARD APPLETON

FRANK PERKINS WHITMAN

### THE DEGREE OF DOCTOR OF DIVINITY

### THE DEGREE OF MASTER OF ARTS

ON

HAMMOND LAMONT

# THE RHODE ISLAND ALPHA OF THE PHI BETA KAPPA SOCIETY

## OFFICERS AND COMMITTEES 1900-1901

### *President*

Prof. WILFRED HAROLD MUNRO, A. M.

### *Vice-President*

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### *Corresponding Secretary*

Prof. WILLIAM WHITMAN BAILEY, LL. D.

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WILLIAM THANE PECK, Sc. D.

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### *Auditing Committee*

ROBERT PERKINS BROWN, A. M., Prof. NATHANIEL FRENCH DAVIS, LL. D.

# THE BROWN CHAPTER OF THE SOCIETY OF THE SIGMA XI

## OFFICERS AND COMMITTEE 1900-1901

### *President*

Prof. BENJAMIN FRANKLIN CLARKE, SC. D.

### *Vice-President*

Prof. NATHANIEL FRENCH DAVIS, LL. D.

### *Recording Secretary*

ARTHUR HORACE BLANCHARD, C. E.

### *Corresponding Secretary*

WILLIAM HERBERT KENERSON, M. E.

### *Treasurer*

Prof. HERMON CAREY BUMPUS, PH. D.

### *Councillor*

Prof. JOHN EDWARD HILL, SC. M., C. E. M.

### *Committee on Nominations*

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NATHANIEL FRENCH DAVIS, LL. D., Prof. HERMON CAREY  
BUMPUS, PH. D., WILLIAM HERBERT KENERSON, M. E., ARTHUR  
HORACE BLANCHARD, C. E.

# THE ASSOCIATED ALUMNI

## OFFICERS AND COMMITTEES 1900-1901

### *President*

Hon. REUBEN THOMAS DURRETT, LL. D., Louisville, Ky.

### *First Vice-President*

Hon. CHARLES MATTESON, LL. D., Providence.

### *Second Vice-President*

JAMES MAC ALISTER, LL. D., Philadelphia.

### *Secretary*

GEORGE GRAFTON WILSON, Ph. D., Providence.

### *Treasurer*

SAMUEL SLATER DURFEE, A. M., Providence.

### *Executive Committee*

THEODORE FRANCIS GREEN, A. M., HOWARD MALCOM RICE,  
A. M., ZECHARIAH CHAFEE, A. M., JOHN BYRON DIMAN, A. M.,  
ROBERT PERKINS BROWN, A. M.

### *Advisory Committee*

GEORGE GRAFTON WILSON, Ph. D., GEORGE FREMONT BEAN,  
LL. B., FRANK LINCOLN MORSE, A. M., EVERETT COLBY, LL. B.,  
WILLIAM H. BENNETT, M. D., WILLIAM BURDICK, A. B., MARSHALL  
AUGUSTUS NEWELL.

# STUDENTS

## GRADUATES

### CANDIDATES FOR THE DEGREE OF DOCTOR OF PHILOSOPHY

GEORGE ELLETT COGHILL	<i>Providence</i>	17 Halsey St.
A. B. Brown University 1896; Sc. M. University of New Mexico 1899 Neurology, Comparative Anatomy, Physiology		
CLINTON HARVEY CURRIER	<i>Manchester, N. H.</i>	46 Hope College
Ph. B. Brown University 1898; A. M. 1899 Mathematics, Astronomy		
BERNARD CAPEN EWER	<i>Providence</i>	57 Hanover St.
A. B. Brown University 1899; A. M. 1900 Philosophy, German, Mathematics		
CALEB ALLEN FULLER	<i>Providence</i>	277 Brook St.
Ph. B. Brown University 1899; A. M. 1900 Bacteriology, Comparative Anatomy		
GEORGE ALBERT GOULDING	<i>Providence</i>	234 Wayland Ave.
A. B. Brown University 1899; A. M. 1900 Latin, Greek		
BENNETT GRAD	<i>Providence</i>	31 West Clifford St.
A. B. University of Cincinnati 1894 Philosophy, Biblical Literature and History		
JOHN FRANCIS GREENE	<i>Seekonk, Mass.</i>	22 University Hall
A. B. Brown University 1891 Latin, German		
WILLIAM JONES	<i>Worcester, Mass.</i>	10 Congdon St.
A. B. Brown University 1899; A. M. 1900 History, Political Economy		
AUSTIN HERBERT KEYES	<i>Plymouth, N. H.</i>	
Ph. B. University of Maine 1897; A. M. Brown University 1898 Greek, Latin		
FREDERIC LENT	<i>Oak Lawn</i>	Oak Lawn
A. B. Brown University 1900 Biblical Literature and History, Philosophy, German		



JONATHAN RISSE	<i>West Point, Iowa</i>	62 George St.
A. B. Iowa College 1897; A. M. Brown University 1900 Comparative Anatomy, Neurology, Physiology		
GEORGE HERBERT SHERWOOD	<i>Olneyville</i>	62 George St.
A. B. Brown University 1898; A. M. 1899. Comparative Anatomy, Physiology		
JOHN SMITH SHIPPEE	<i>East Greenwich</i>	East Greenwich
A. B. Brown University 1894 Latin, Greek		
MICHAEL XAVIER SULLIVAN	<i>Fall River, Mass.</i>	53 Waterman St.
A. B. Harvard University 1899 Comparative Anatomy, Chemistry		
MILLETT TAYLOR THOMPSON	<i>Providence</i>	204 Bowen St.
A. B. Brown University 1898; A. M. 1899 Comparative Anatomy, Physiology		
LEE BARKER WALTON	<i>Lakewood, N. Y.</i>	63 East Manning St.
Ph. B. Cornell University 1897; A. M. Brown University 1900 Comparative Anatomy, Neurology, Physiology		
LEONARD WORCESTER WILLIAMS	<i>Muskogee, Ind. Ter.</i>	172 Prospect St.
A. B. Hanover College 1895; A. M. Princeton University 1899 Comparative Anatomy, Philosophy, Physiology		
EDITH HOLMES WILLISTON	<i>Providence</i>	103 Whitmarsh St.
Ph. B. Brown University 1896; A. M. 1898 French, German, English Literature		
HERRICK PLATT YOUNG	<i>Providence</i>	5 Chapin Ave.
A. B. Brown University 1887; A. M. 1890 Latin, Ancient History		

## CANDIDATES FOR THE DEGREE OF MASTER OF ARTS

### 1. Fully in Residence.

WILLIAM EDWARD BAKER	<i>South Amboy, N. J.</i>	118 Benefit St.
A. B. Brown University 1899 Biblical Literature, Philosophy, German		
ALICE MAY BALLOU	<i>Providence</i>	61 Congdon St.
Ph. B. Brown University 1900 Comparative Anatomy		
LOUISE STEVENS BARTLETT	<i>Providence</i>	103 South Angell St.
A. B. Vassar College 1900 History, Pedagogy, German		
JOSEPHINE ANGELL BEANE	<i>Olneyville</i>	275 Plainfield St.
A. B. Brown University 1897 Pedagogy, Social Science		

HELEN LOUISE BLISS A. B. Brown University 1900 Comparative Anatomy, Chemistry, Botany	<i>East Providence</i>	19 College St.
CHARLES WILSON BROWN Ph. B. Brown University 1900 Geology, Chemistry	<i>Fall River, Mass.</i>	Hope 48
ANNE WALCOTT CARPENTER Ph. B. Brown University 1898 German, English	<i>Providence</i>	95 Benevolent St.
LYDIA GARDINER CHACE Ph. B. Brown University 1900 Social Science, Astronomy	<i>Providence</i>	75 Irving Ave.
EDWARD BLANCHARD CHAMBERLAIN A. B. Bowdoin College 1899 German, Botany	<i>Bristol, Me.</i>	121 Pleasant St.
JOHN LEE CHAPMAN, JR. Ph. B. Brown University 1900 History, German	<i>Central Village, Ct.</i>	136 Mitchell St.
JAMES HARPER CHASE A. B. Brown University 1899 English	<i>Whitman, Mass.</i>	70 Benevolent St.
EDITH RAY CLAPP Ph. B. Brown University 1900 Comparative Anatomy	<i>Providence</i>	133 Smith St.
GEORGE SAUNDERS COOPER A. B. Brown University 1900 English	<i>Providence</i>	90 Congdon St.
VICTOR FRAZEE A. B. Dalhousie College 1889 History	<i>Providence</i>	82 Larch St.
HARRIET PEIRCE FULLER A. B. Boston University 1881 Latin, History of Art	<i>Providence</i>	57 West Friendship St.
ELIZABETH WICKES GARDINER Ph. B. Brown University 1899 English, German, French	<i>Providence</i>	22 Barnes St.
PHOEBE RUSHMORE GIFFORD A. B. Brown University 1898 English, Greek, Spanish	<i>Providence</i>	32 Larch St.
SARAH ELIZABETH GOODWIN A. B. Smith College 1899 Greek, Latin, German	<i>Peace Dale</i>	Peace Dale
EMMA HELENA GREGORY A. B. Wellesley College 1891 English Literature, Pedagogy, Latin	<i>Providence</i>	29 Ann St.

HENRY JEWETT HALL A. B. Brown University 1900 Psychology, Philosophy	<i>Providence</i>	43 Benevolent St.
FRANK THURSTON HALLETT A. B. Brown University 1900 Greek, Latin, History of Art, Sanskrit	<i>Providence</i>	283 George St.
HORACE MASON HOVEY A. B. Brown University 1900 Pedagogy, Mechanics, Physics	<i>Providence</i>	Maxcy 321
HERBERT BACON HUTCHINS A. B. Harvard University 1886 History, Philosophy, Social Science	<i>Pawtuxet</i>	Pawtuxet
CONSTANCE HURFORD ILES Litt. B. Smith College 1895 French, German, Botany	<i>Providence</i>	8 Cushing St.
NELS JOHNSON A. B. Brown University 1899 German, French, Psychology	<i>Rumford</i>	Rumford
MARY BEECHER LEONARD Ph. B. Brown University 1899 Pedagogy, Comparative Anatomy, Botany	<i>Providence</i>	156 Broad St.
CLARENCE BROWN LESTER A. B. Brown University 1900 Social and Political Science, History, Mathematics	<i>Providence</i>	509 Public St.
MABEL SNOW LEVALLEY A. B. Brown University 1900 Pedagogy, English	<i>Providence</i>	124 Wesleyan Ave.
NORMAN ALLEN MOSS A. B. Brown University 1900 Pedagogy, English	<i>Providence</i>	231 Broadway
NELLIE FLORENCE MUNROE A. B. Brown University 1900 Greek, Philosophy, English	<i>East Providence</i>	East Providence
CLARENCE ELNATHAN NORRIS A. B. Brown University 1900 German, History of Art, Greek, French	<i>Worcester, Mass.</i>	University 59
MARY GEORGE OSBORN A. B. Wellesley College 1892 History	<i>Warren</i>	297 Broadway, Pawtucket
ALICE REEVE PIERCE A. B. Smith College 1896 English, German, French	<i>Providence</i>	39 Daboll St.
HARRIET EDITH PIERCE Litt. B. Smith College 1894 German	<i>Providence</i>	39 Daboll St

HARRY KAY POOLE Ph. B. Brown University 1900 German, Latin, French, Italian	<i>Taunton, Mass.</i>	Howell 10
GRACE TYLER PRATT A. B. Smith College 1892 Latin, Pedagogy, English	<i>Deerfield, Mass.</i>	207 No. Main St., [Pawtucket]
LEMUEL CHARLES RAIFORD Ph. B. Brown University 1900 Chemistry, Comparative Anatomy	<i>Baltimore, Md</i>	4 Benefit St.
MARY LOUISE ROGERS A. B. Wellesley College 1898 Comparative Anatomy, Pedagogy, Botany	<i>Pawtucket</i>	50 Clyde St., Pawtucket
MARY RANDALL STARK A. B. Brown University 1900 Pedagogy, English	<i>Providence</i>	41 Chapin Ave.
EDWARD EVERETT THOMPSON A. B. Brown University 1899 German, French, Italian	<i>Fall River, Mass.</i>	University 54
ETHEL ELLA TOWER A. B. Brown University 1898 Pedagogy, German	<i>Auburn</i>	Auburn
ARTHUR WAKEFIELD A. B. Brown University 1900 Latin, History of Art, Greek, French	<i>Mt. Pleasant, Pa</i>	University 59
BESSIE SARAH WARNER A. B. Smith College 1895 English, Philosophy	<i>Bristol, Ct.</i>	205 Waterman St.
HELEN BOWEN WATERMAN A. B. Brown University 1900 Pedagogy, English	<i>Providence</i>	70 Corinth St.
EMMA CLIFTON WATT A. B. Wellesley College 1898 Latin, History of Art, Greek	<i>Providence</i>	207 Atlantic Ave.
HELEN RIDLER WHITE A. B. Tufts College 1899 Pedagogy, History of Art, Spanish	<i>Pawtucket</i>	2 Appleton Ave., [Pawtucket]
NORA GIRALDA WRIGHT A. B. Bates College 1895 Pedagogy, English	<i>Olneyville</i>	387 Plainfield St.
HIRAM LAMONT YOUTZ Ph. B. Brown University 1900 Comparative Anatomy	<i>Des Moines, Ia.</i>	19 Sumpter St.

II. Registered as Non-Resident, yet living near the University  
and able to enjoy certain of its privileges.

GEORGE THURSTON SPICER A. B. Brown University 1897 Music, Fine Arts, Comparative Literature	<i>Providence</i>	371 Broadway
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## III. Fully Non-Resident.

HENRY WARD BEECHER ARNOLD A. B. Brown University 1893 Latin, Mathematics, Physics	<i>Hopedale, Mass.</i>
ROBERT MARSHALL BROWN A. B. Brown University 1893 Meteorology, Chemistry	<i>Cambridge, Mass.</i>
ARTHUR DEERIN CALL Ph. B. Brown University 1896 Social Science, Pedagogy	<i>Holliston, Mass.</i>
JOHN RUSSELL FERGUSON A. B. Brown University 1894 Latin, Pedagogy	<i>Fall River, Mass.</i>
CHARLES KENWORTHY FRANCIS Ph. B. Brown University 1899 Chemistry, Social Science	<i>Atlanta, Ga.</i>
CHARLES ISRAEL GATES A. B. Brown University 1899 History, English, Pedagogy	<i>Westerly</i>
GEORGE LLEWELLYN HUNT Ph. B. Brown University 1900 German, Elementary Law	<i>St. Johnsbury, Vt.</i>
JAMES ROBERTS DECREVI OLDHAM A. B. Brown University 1897 English Literature, Pedagogy	<i>Moosup, Conn.</i>
ERNEST VICTOR PAGE A. B. Brown University 1896 Political Economy, Political Science, Social Science	<i>New Bedford, Mass.</i>
JARED HARVEY RANDALL A. B. Brown University 1897 History, Burmese	<i>Rangoon, Burma</i>

## SPECIAL GRADUATE STUDENTS

ROSE MAYARD BARTON A. B. Cornell University 1893 English	<i>Oneonta, N. Y.</i>	93 Summit St., [Pawtucket]
LOUISE MARY JANE BROUGH Ph. B. Brown University 1897; A. M. 1899 Pedagogy	<i>Providence</i>	13 Pomona Ave.
ROALDO FRANKLIN COLWELL Ph. B. Brown University 1876 Social Science	<i>Barrington</i>	Barrington

- CLARA ELIZABETH COMSTOCK *Providence* 550 Broad St.  
Ph. B. Brown University 1895; A. M. 1897  
Philosophy
- RUTH STORY DEVEREUX *Manton* Manton  
A. B. Brown University 1897; A. M. 1900  
Philosophy
- FREDERICK WILLIAM DORING *Woonsocket* 5 Summer St.,  
A. B. Dartmouth College 1883; A. M. 1886 [Woonsocket  
History
- MINNIE ARABELLA HALL *Providence* 417 Pine St.  
A. B. Wellesley College 1880; A. M. Brown University 1900  
English, French
- ELIZABETH WATSON KENYON *Kingston* Kingston  
Sc. B. Mt. Holyoke College 1896; A. M. Brown University 1897  
Political Science
- SUSAN GERTRUDE MACKIE *Providence* 43 Woonasquatucket Ave.  
Ph. B. Brown University 1900  
English
- LEWIS HAMILTON MEADER *Providence* 88 Andem St.  
A. B. Dartmouth College 1878; A. M. Brown University 1894; Ph. D. 1900  
History, Social Science
- ELIZA METCALF PEIRCE *Providence* 507 Broadway  
A. B. Smith College 1889; A. M. Brown University 1899  
Philosophy
- CONSTANCE ROBINSON *Providence* 207 Governor St.  
A. B. Bryn Mawr 1898  
History of Art
- LINDA RICHARDSON *Fall River, Mass.* 175 Rock St., Fall River  
A. B. Brown University 1897; A. M. 1899  
Latin
- SIDNEY ALGERNON SHERMAN *Providence* 227 Irving Ave.  
A. B. Amherst College 1885; Ph. D. Brown University 1900  
Political Science
- CHARLES EDWARD TILLEY *Providence* 8 Elton St.  
A. B. Amherst College 1892; A. M. 1895  
Physics
- HERBERT ALDEN YOUTZ *Providence* 19 Sumpter St.  
A. B. Simpson College 1890  
Philosophy

## UNDERGRADUATES

## SENIORS—CLASS OF 1901

NAME	RESIDENCE	ROOM
Arthur Irving Andrews	<i>Providence</i>	University 30
George Safford Beal, A. B.	<i>Brockton, Mass.</i>	Hope 48
Charles Herbert Bennett	<i>New Bedford, Mass.</i>	62 Meeting St.
William Swasey Blake	<i>Providence</i>	372 Blackstone St.
Howard Parker Blanchard	<i>Danvers, Mass.</i>	University 18
Earl Simons Pratt Bodurtha	<i>Agawam, Mass.</i>	Maxcy 319
William Charles Hugo Brand	<i>Providence</i>	347 Friendship St.
Charles Winchester Brooks	<i>Montgomery, N. Y.</i>	Hope 32
Florence William Burke	<i>Mittineague, Mass.</i>	Messer 1
Ernest Palmer Carr	<i>Cortland, N. Y.</i>	Hope 2
Floyd Levern Carr	<i>Hornellsville, N. Y.</i>	87 Congdon St.
Elmer Seymour Chace	<i>Providence</i>	Hope 30
Harrison Ayer Chase	<i>Brockton, Mass.</i>	Slater 20
Roy Elliott Clark	<i>Holyoke, Mass.</i>	University 16
William Lathrop Clark	<i>Rome, N. Y.</i>	Slater 5
Daniel Allen Clarke	<i>Fiskeville</i>	Hope 6
Arthur Ogden Clift	<i>Middletown Springs, Vt.</i>	33 Benevolent St.
Clarence Albert Coates	<i>Providence</i>	Hope 26
Howard Aldridge Coffin	<i>East Fairfield, Me.</i>	Hope 22
Richard Merwin Cogan	<i>Orange, N. J.</i>	Hope 31
Ernest Willard Crawley	<i>Warren</i>	Warren
Harvey Nathaniel Davis	<i>Providence</i>	Slater 13
Myron Powers Davis	<i>Brattleboro, Vt.</i>	Hope 26
Charles Borromeo Dugan	<i>Brinckerhoff, N. Y.</i>	Hope 38
Thomas Edwin Dunn	<i>Winchendon, Mass.</i>	Maxcy 320
Charles Chester Eaton	<i>Brockton, Mass.</i>	Hope 36
Harris Dickinson Eaton	<i>Calais, Me.</i>	72 College St.
John Boyden Eaton	<i>Calais, Me.</i>	72 College St.



NAME	RESIDENCE	ROOM
Irving Judson Enslin	<i>Providence</i>	72 College St.
Parke Erwin	<i>Malone, N. Y.</i>	University 10
Edwin Bowen Evans	<i>Providence</i>	Hope 35
Charles Ernest Ewing	<i>Troy, N. Y.</i>	47 Camp St.
Henry Milne Fenner	<i>Fall River, Mass.</i>	Maxcy 323
Charles Barker Fernald	<i>New York, N. Y.</i>	Hope 19
Reuben Franklin Friedel	<i>Viola, Del.</i>	Maxcy 206
Walter Louis Frost	<i>Providence</i>	Hope 11
Edward Hawes Fuller	<i>Pawtucket</i>	307 High St., Pawtucket
Frederick Arthur Galvin	<i>Spencer, Mass.</i>	Maxcy 315
George Herbert Gilbert	<i>Providence</i>	1 Whittemore Pl.
Charles Herbert Gilmore	<i>Turner's Falls, Mass.</i>	Slater 3
Frank Henry Gooding	<i>Central Falls</i>	Hope 7
John Packer Gray	<i>Mystic, Ct.</i>	Maxcy 202
Edwin Farnham Greene	<i>Newton Centre, Mass.</i>	Hope 39
Percival Bartlett Greene	<i>Germantown, Pa.</i>	76 Humboldt Ave.
Edward Tudor Gross	<i>Providence</i>	Slater 8
Thatcher Howland Guild	<i>Providence</i>	Slater 16
Henry Clay Hart	<i>Eufaula, Ala.</i>	11 Adelphi Ave.
William Riggs Harvey	<i>Newport</i>	University 28
George Bradford Hayward	<i>Campello, Mass.</i>	33 Benevolent St.
Charles Herbert Hough	<i>Woonsocket</i>	33 Benevolent St.
Charles Sherman Hoyt	<i>New York, N. Y.</i>	Slater 10
William Henry Hull	<i>Auburn</i>	Slater 1
George Milton Jones	<i>Chicago, Ill.</i>	83 Benevolent St.
Harry Francis Kellogg	<i>Providence</i>	Hope 41
Thomas Henry Kenworthy	<i>Hampden, Mass.</i>	Hope 27
William Irvine King	<i>Uniontown, Pa.</i>	Hope 29
William Theodore Knoop	<i>Providence</i>	86 Holden St.
Allen Kramer Krause	<i>Lebanon, Pa.</i>	University 25
Thomas Francis Lawlor	<i>Valley Falls</i>	Maxcy 205
Edward Benedict Lederer	<i>Providence</i>	Maxcy 315
Michael John Linden	<i>Chicago, Ill.</i>	University 41
Herbert Colbath Low	<i>Brockton, Mass.</i>	Slater 3
William Kinsley Low	<i>Providence</i>	Slater 15
Harold Lester Madison	<i>East Greenwich</i>	Hope 3

NAME	RESIDENCE	ROOM
Daniel Joseph Maloney	<i>Woonsocket</i>	Maxcy 205
Berton Lewis Maxfield	<i>Franklin, N. H.</i>	Hope 14
William Charles McLaughlin	<i>Providence</i>	7 Amity St.
Stewart Baker McLeod	<i>Brockton, Mass.</i>	Slater 1
Jesse George Melendy	<i>Milford, N. H.</i>	University 17
Max Merrill Miller	<i>Westfield, Vt.</i>	Maxcy 322
Daniel Potter Myers	<i>Providence</i>	Maxcy 202
Harry Eugene Nickless	<i>Woburn, Mass.</i>	Howell 5
Frank Allen Page	<i>Providence</i>	33 Benevolent St.
Ernest Trowbridge Paine	<i>Central Falls</i>	Central Falls
George Moses Purver	<i>Providence</i>	74 Charles St.
Charles Sheldon Read	<i>Anthony</i>	Hope 22
David Robinson Jr.	<i>Pine Island, N. Y.</i>	Howell 9
Simon Henry Salomon	<i>Groveton, N. H.</i>	Maxcy 313
John Hendricken Slaterry	<i>Providence</i>	24 Vernon St.
Arthur Langford Slocum	<i>E. Providence</i>	Slater 4
Byron Lee Smith	<i>Oxford, N. Y.</i>	Hope 6
Roy Harmon Smith	<i>Crozet, Va.</i>	29 Benevolent St.
Walter Smith	<i>Lawrence, Mass.</i>	Maxcy 431
Winthrop Morton Southworth	<i>Needham, Mass.</i>	University 30
Robert Wing Steere	<i>Providence</i>	84 Waterman St.
Claude Everett Stevens	<i>Nelson, Pa.</i>	Hope 7
Henry Cleaves Sullivan	<i>Portland, Me.</i>	Maxcy 201
Amos Leavitt Taylor	<i>Franklin Falls, N. H.</i>	Hope 12
George Allen Taylor	<i>Providence</i>	University 25
Frank Carroll Thompson	<i>Haverhill, Mass.</i>	4 Manning St.
Frederick Harris Thurston	<i>Laconia, N. H.</i>	Slater 4
Howard Hiram Tucker	<i>Lec, Mass.</i>	University 19
Charles Sampson Turner	<i>Providence</i>	Hope 33
Walter Ernest Tuthill	<i>Palmer, Mass.</i>	Hope 4
Edward David Tweedell	<i>Providence</i>	Hope 2
Halley Templeton Waller	<i>West Derby, Vt.</i>	Hope 20
John Herbert Ward	<i>Attleboro, Mass.</i>	Attleboro
Bertram Albert Warren	<i>Providence</i>	Hope 41
Libe Washburn	<i>Lyme, N. H.</i>	University 33
Harry Lee Watson	<i>Mt. Olive, N. J.</i>	Hope 25

NAME	RESIDENCE	ROOM
George Everson Weeden Jr.	<i>Providence</i>	University 34
Frank Hiram Westlake	<i>Sacramento, Cal.</i>	Slater 2
Hunter Carson White Jr.	<i>Providence</i>	Hope 35
Winfred Holt Whiting	<i>Worcester, Mass.</i>	Maxey 317
Ernest Townsend Williamson	<i>Tuckerton, N. J.</i>	Maxey 314
Howard Oscar Winslow	<i>Providence</i>	68 Chapin Ave.
Alfred Robinson Winter	<i>Mansfield, Mass.</i>	Hope 34
Henry Joseph Winters	<i>Pawtucket</i>	273 Prospect St., Pawtucket
Irving Levi Woodman	<i>Manchester, N. H.</i>	62 Meeting St.

## JUNIORS—CLASS OF 1902

NAME	RESIDENCE	ROOM
Myron Jay Abbey	<i>Danville, N. Y.</i>	Messer 5
Elton Merville Adye	<i>Forestville, N. Y.</i>	44 Camp St.
Edward Kimball Aldrich Jr.	<i>Providence</i>	Hope 26
Morris Ezra Alling	<i>Northford, Ct.</i>	University 60
Christopher Astle	<i>Providence</i>	897 Broad St.
Ernest Preston Brown Atwood	<i>Providence</i>	University 48
Charles Raymond Austin	<i>Providence</i>	Maxcy 203
Robert John Barker	<i>Providence</i>	Hope 3
Williston Wright Barker	<i>Newport</i>	University 55
James William Barry	<i>Hadley, Mass.</i>	33 Benevolent St.
John Palmer Barstow	<i>Providence</i>	Slater 6
LeRoy Bartlett	<i>Providence</i>	103 So. Angell St.
William Penn Bates	<i>Providence</i>	141 Benefit St.
Edward Lewis Bayliss	<i>Boston, Mass.</i>	72 College St.
Arthur Bruce Bennett	<i>Westfield, Mass.</i>	University 13
William Cornell Blanding	<i>Providence</i>	Slater 2
James Leonard Booth	<i>Pawtucket</i>	36 School St., Pawtucket
Robert Lawton Bowen	<i>Providence</i>	University 34
Howard Denison Briggs	<i>Ashaway</i>	Slater 12
Paul Brown	<i>Milwaukee, Wis.</i>	87 Congdon St.
James Cunliffe Bullock	<i>Worcester, Mass.</i>	Maxcy 436
Walter Roberts Bullock	<i>Pawtucket</i>	University 52
George Burdick	<i>Newport</i>	University 28
Thomas Burgess	<i>St Albans, Vt.</i>	Slater 6
Harold Granville Calder	<i>Providence</i>	22 Whitmarsh St.
Philip Caswell	<i>Newport</i>	Hope 20
Alfred Griswold Chaffee	<i>E. Providence Centre</i>	Hope 20
Thomas Carpenter Chaffee	<i>East Providence</i>	Maxcy 426
Harry Smith Clark	<i>North Andover, Mass.</i>	Maxcy 428
Erastus Weeden Clarke	<i>Providence</i>	Hope 29
Bernard Cohen	<i>Providence</i>	71 Arnold St.

NAME	RESIDENCE	ROOM
Samuel Cohen	<i>Pawtucket</i>	Hope 33
Charles Bernard Coppin	<i>Palmyra, N. Y.</i>	50 Waterman St.
Abel Rathbone Corbin	<i>Oxford, N. Y.</i>	Maxcy 430
Edward Pittman Corey	<i>Providence</i>	271 Butler Ave.
Windsor Pratt Daggett	<i>Auburn, Me.</i>	University 32
William Robert Parkhouse	<i>Davey Providence</i>	245 Cranston St.
Winfield Haines Dennett	<i>North Adams, Mass.</i>	Hope 24
Anthony Hamilton Dexter	<i>Pawtucket</i>	18 Church St., Pawtucket
Samuel Noyes Douglas	<i>Providence</i>	4 Manning St.
Lucian Lorimer Drury	<i>North Swansea, Mass.</i>	University 58
Arthur Dean Dudley	<i>Concord, N. H.</i>	Hope 27
Frank Ernest Fash	<i>Fall River, Mass.</i>	Maxcy 322
Andrew Little Fraser	<i>Lowell, Mass.</i>	Maxcy 426
Frederick Henry Gabbi	<i>Providence</i>	Maxcy 436
Arthur Simeon Gaylord	<i>So. Hadley Falls, Mass.</i>	Maxcy 202
Henry Wilson Goodrich	<i>Hopkinton, N. H.</i>	87 Congdon St.
Bruce Henry Green	<i>Charleston, S. C.</i>	125 Cushing St.
Crawford Richmond Green	<i>Troy, N. Y.</i>	Slater 20
Allen Greene	<i>Providence</i>	Slater 13
Frederick William Greene Jr.	<i>Newport</i>	University 28
William Choate Hardy	<i>Fitchburg, Mass.</i>	Hope 37
Henry Joseph Hart	<i>Lynn, Mass.</i>	University 12
Charles Raymond Haslam	<i>Providence</i>	Maxcy 322
George West Hathaway	<i>Tiverton</i>	Hope 10
Edward Lapham Hill	<i>Gardiner, Me.</i>	Messer 2
William Austin Hill	<i>Arlington, Mass.</i>	66 Meeting St.
Jeremiah Holmes	<i>Mystic, Ct.</i>	University 60
Charles Herbert Holt	<i>Providence</i>	University 58
Everett Jarvis Horton	<i>Providence</i>	Hope 46
Joseph Waite Ince	<i>Providence</i>	Maxcy 436
George Milo Innis	<i>Shelburne Falls, Mass.</i>	University 56
Eugene Bailey Jackson	<i>Woonsocket</i>	Slater 2
Howard Henderson King	<i>Uniontown, Pa.</i>	Hope 29
Ray Forrest Knowlton	<i>Sutton, N. H.</i>	University 33
Harry Clifford Leach	<i>Rockland, Me.</i>	253 Potters Ave.
Kirke Porter Lincoln	<i>Pittsburg, Pa.</i>	Slater 4

NAME	RESIDENCE	ROOM
James Bancroft Littlefield	<i>Providence</i>	98 Prospect St.
Joseph Ferdinand Malmstead	<i>Providence</i>	Hope 37
Earl Northrup Manchester	<i>Factoryville, Pa.</i>	Hope 15
Elmer Daniel Meserve	<i>Kennebunkport, Me.</i>	33 Benevolent St.
Henry Knight Metcalf	<i>Providence</i>	Slater 8
Arthur Earle Munro	<i>Quonochontaug</i>	Maxcy 436
Henry Natsch	<i>Brooklyn, N. Y.</i>	University 58
Walter Elijah Newcomb	<i>Catskill, N. Y.</i>	Hope 42
Harold Weeden Nichols	<i>Providence</i>	University 47
George Frederick Paddock	<i>Providence</i>	63 Governor St.
Wesley Arthur Paige	<i>Franklin Falls, N. H.</i>	Hope 12
Alonzo Truman Patterson	<i>East Providence</i>	East Providence
Lorraine Terry Peck	<i>Bristol, Ct.</i>	Hope 42
Theodore Frederick Pevear	<i>Lynn, Mass.</i>	University 47
Charles Abbott Phillips	<i>Danielson, Ct.</i>	Slater 15
Halbert Edmund Pierce	<i>Fitchburg, Mass.</i>	University 32
Robinson Pierce Jr.	<i>Providence</i>	172 Prospect St.
Arthur Wellington Pinkham	<i>Lynn, Mass.</i>	University 41
Thomas Edmund Burt Pope	<i>Providence</i>	20 Hawthorne St.
Alfred Knight Potter	<i>Providence</i>	University 21
Charles Arthur Powers	<i>South Gardner, Mass.</i>	University 30
Everett Duncan Ramsden	<i>Warren</i>	Warren
Charles Addison Richardson	<i>Ray Franklin, Mass.</i>	Slater 17
Lewis Stillman Record	<i>Worcester, Mass.</i>	Maxcy 314
Charles Arnold Reese	<i>Newton Highlands, Mass.</i>	Hope 40
Russell William Richmond	<i>New York, N. Y.</i>	Hope 36
Albert Langworthy Saunders	<i>Westerly</i>	Hope 3
Walter Stanley Seamans Jr.	<i>North Providence</i>	Maxcy 202
Philip Darrell Sherman	<i>Pawtucket</i>	Hope 24
Charles Perley Smith	<i>Charlestown, Mass.</i>	Hope 31
Erwin Kelsey Smith	<i>Hartford, Ct.</i>	58 College St.
Robert Ordway Smith	<i>Providence</i>	University 47
Irving Southworth	<i>Needham, Mass.</i>	Hope 40
Arthur Steere	<i>Providence</i>	38 Benevolent St.
Bradford Earl Stephens	<i>Hornellsville, N. Y.</i>	87 Congdon St.
Thomas Henry Stevens	<i>W. Hampton Beach, N. Y.</i>	Hope 15

NAME	RESIDENCE	ROOM
Walter Leslie Tandy	<i>Gardner, Mass.</i>	Maxcy 204
Charles Arthur Tetrault	<i>Southbridge, Mass.</i>	Central Falls
Ralph Cameron Thompson	<i>Portland, Me.</i>	33 Benevolent St.
Frederick Wheaton Tillinghast	<i>Portucket</i>	Hope 24
Oliver Clinton Trees	<i>Lawrence, Mass.</i>	33 Benevolent St.
Lennox Gresham Walling	<i>Harrisville</i>	Hope 1
Willard Garfield Ward	<i>Providence</i>	Hope 21
Arthur Edward Warner	<i>Riverside</i>	Maxcy 206
Charles Perkins Webber	<i>Wakefield, Mass.</i>	Maxcy 204
Frank Eaton Wells	<i>San José, Cal.</i>	87 Congdon St.
Niles Westcott	<i>Oak Lawn</i>	Oak Lawn
Alan Rattray Wheeler	<i>Concord, Mass.</i>	4 Manning St.
Frank Walter Wheeler	<i>Wakefield, Mass.</i>	Howell 6
Howard Joseph White	<i>Providence</i>	Hope 1
Everett Thomas Whitford	<i>Woonsocket</i>	University 31
Warren Lyle Wilmarth	<i>Central Falls</i>	Hope 23
Louis Everett Young	<i>Woonsocket</i>	Hope 1



## SOPHOMORES—CLASS OF 1903

NAME	RESIDENCE	ROOM
Alexander Hewes Abbott	<i>Watertown, Mass.</i>	Hope 43
Robert Aldrich	<i>Providence</i>	Slater 7
Sherman Alden Allen	<i>Morganville, N. Y.</i>	Messer 16
Woodbury Whitely Armstrong	<i>Portland, Me.</i>	Hope 16
Edgar Louis Ashley	<i>Medfield, Mass.</i>	Maxcy 428
Charles Hervey Bailey	<i>Dorchester, Mass.</i>	Slater 18
Percival Rogers Bakeman	<i>Chelsea, Mass.</i>	Hope 5
Harvey Almy Baker	<i>Providence</i>	343 Thayer St.
Louis Foristall Baker	<i>Barrington</i>	Slater 18
Merle Taft Barker	<i>Taunton, Mass.</i>	University 50
Robert Lincoln Barrows	<i>Providence</i>	Hope 40
Thomas Austin Barry	<i>Brockton, Mass.</i>	Maxcy 320
Eugene Clark Batchelder	<i>Fitchburg, Mass.</i>	University 22
Charles Franklin Bates	<i>Cattaraugus, N. Y.</i>	29 Benevolent St.
Harry Lothrop Bates	<i>Providence</i>	University 47
Edward Babcock Beam	<i>Paterson, N. J.</i>	University 48
Daniel Everett Bellows	<i>Providence</i>	Hope 27
Frederick Joseph Berth	<i>Providence</i>	Maxcy 201
Hartzell Russell Birch	<i>Olneyville</i>	Hope 21
Edward Joseph Black	<i>Providence</i>	Maxcy 320
Alfred Varney Blackstone	<i>State Farm, Mass.</i>	Slater 3
Percy Howard Blanding	<i>Providence</i>	Slater 2
Richard Warren Blanding	<i>Providence</i>	Slater 2
Oliver Hilliard Booth	<i>Poughkeepsie, N. Y.</i>	Slater 7
Arthur Eugene Brown	<i>Providence</i>	35 Benevolent St.
Howard Earle Brown	<i>West Kingston</i>	Hope 10
Reginald Langdon Brown	<i>Phenix</i>	Phenix
John Ervin Bullard	<i>Keene, N. H.</i>	62 Meeting St.
Clarence Van Reynegom Bumsted	<i>Jersey City, N. J.</i>	University 43
Elmer Ellsworth Butler	<i>Watertown, Mass.</i>	Hope 16
Gonzalo Edward Buxton Jr.	<i>Providence</i>	Hope 11

NAME	RESIDENCE	ROOM
John Hutchins Cady	<i>Providence</i>	Slater 7
Murray Hubert Cann	<i>Providence</i>	University 34
Charles Sturgis Carpenter	<i>Providence</i>	University 19
John Patrick Carroll	<i>Providence</i>	131 Tockwotton St.
Roscoe Arnold Carter	<i>Highlandville, Mass.</i>	University 52
Charles Dyer Casey	<i>Providence</i>	Hope 28
Joseph Clarence Cawley	<i>East Providence</i>	East Providence
Henry Howard Cawthorne	<i>Leominster, Mass.</i>	36 Richmond St.
Charles Otis Chase	<i>Haverhill, Mass.</i>	Hope 23
James Garfield Clifford	<i>Ware, Mass.</i>	Maxcy 318
Lewis Hartsough Conant	<i>Palmyra, N. Y.</i>	50 Waterman St.
Fred Milton Cook	<i>Reading, Mass.</i>	Messer 2
Theodore Arthur Cornell	<i>Providence</i>	123 Thayer St.
Michael Francis Costello	<i>Pawtucket</i>	376 Weeden St., Pawtucket
Fred Judson Cox	<i>Haverhill, Mass.</i>	Hope 44
Thomas Irving Deacon	<i>Cambridge, Mass.</i>	Hope 21
Frank Lawrence Dillon	<i>Palmer, Mass.</i>	Maxcy 313
Lester Earle Dodge	<i>Block Island</i>	Maxcy 210
Jerry Dearborne Drew	<i>Haverhill, Mass.</i>	Hope 44
Henry Bernardin Drowne	<i>Providence</i>	20 Benefit St.
Leon Arthur Drury	<i>Fitchburg, Mass.</i>	Hope 37
Frederick John Durfee	<i>Providence</i>	5 Richmond Sq.
James Warren Dyson	<i>Providence</i>	Hope 38
Stephen Howard Easton	<i>Central Falls</i>	University 31
George Wilbur Eddy	<i>Greenfield, Mass.</i>	87 Congdon St.
Frank Henry Ehmke	<i>Silver Creek, N. Y.</i>	14 George St.
Waldo Henry Fish	<i>Central Falls</i>	University 25
Charles Hamlin Foley	<i>Concord, N. H.</i>	120 Congdon St.
Robert Forster	<i>Poughkeepsie, N. Y.</i>	University 10
Gay Nichols Freeman	<i>Washington, D. C.</i>	4 Manning St.
Percy Winchester Gardner	<i>Wakefield</i>	Hope 46
James Lawrence Gartland	<i>Warren</i>	Warren
Willis Elbridge Goodhue	<i>Silver Creek, N. Y.</i>	38 Benevolent St.
Howard Bristol Grose Jr.	<i>Wellesley Hills, Mass.</i>	Slater 15
Phillip Bardwell Hadley	<i>Shelburne Falls, Mass.</i>	Howell 7
Willis Warren Harriman	<i>Whitinsville, Mass.</i>	Maxcy 208

NAME	RESIDENCE	ROOM
William Albion Hart	<i>Concord Junction, Mass.</i>	Hope 44
William Thomson Hastings	<i>Feeding Hills, Mass.</i>	Hope 47
William James Henry	<i>Southbridge, Mass.</i>	1345 Westminster St.
Fred Alden Hersom	<i>Somersworth, N. H.</i>	87 Congdon St.
Leslie Robert Hicks	<i>Chicago, Ill.</i>	Hope 8
Harrison Bucklin Hill	<i>Rumford</i>	Rumford
Edward Winslow Holmes	<i>New Bedford, Mass.</i>	62 Meeting St.
Albert Wesley Hopkins	<i>Olneyville</i>	Hope 21
Nathaniel Orson Howard	<i>Providence</i>	6 W. Park St.
William Carter Johnson	<i>Providence</i>	University 50
George Edward Kelleher	<i>Providence</i>	University 17
Frederic Mason Kinsley	<i>Worcester, Mass.</i>	Hope 41
Norton Jude Lamson	<i>Pierrepont Manor, N. Y.</i>	29 Benevolent St.
Alexander Joseph Larkin	<i>Ansonia, Ct.</i>	University 31
George Albert Lawry	<i>Rockland, Me.</i>	Slater 1
William Ross Lawton	<i>Providence</i>	37 George St.
Robert Herman Lear	<i>No. Leominster, Mass.</i>	University 18
Harry Gancello Leighton	<i>Lowell, Mass.</i>	Hope 46
Roy Sylvester Litchfield	<i>Fitchburg, Mass.</i>	University 51
Earle Jerome Mathewson	<i>Central Falls</i>	Central Falls
Edward Joseph McCaffrey	<i>Providence</i>	Hope 32
Charles Anthony McDonald	<i>Providence</i>	Maxcy 201
Lewis Stanley Milner	<i>Moosup, Ct.</i>	University 47
Samuel Moffat	<i>River Point</i>	Hope 33
William Thomas Murphy	<i>Providence</i>	27 Landor St.
John Francis Murray	<i>Providence</i>	Hope 47
Danforth Livermore Nash	<i>Augusta, Me.</i>	33 Benevolent St.
George Smith Newcombe	<i>Thomaston, Me.</i>	Hope 13
Charles Lemuel Osler	<i>Providence</i>	Hope 25
Fred Alleyne Otis	<i>Providence</i>	University 21
Melville Neal Otis	<i>Providence</i>	University 21
Harry Merton Paine	<i>Providence</i>	Hope 26
Lionel Henry Peabody Jr.	<i>Middletown</i>	Messer 16
Edwin Miles Pertilla	<i>Norwich, N. Y.</i>	University 45
Arthur Lloyd Philbrick	<i>W. Somerville, Mass.</i>	Maxcy 433
Arthur Upham Pope	<i>Newburyport, Mass.</i>	Hope 30

NAME	RESIDENCE	ROOM
Henry Wallace Pratt	<i>Bridgewater, Mass.</i>	62 Meeting St.
James Edward Quinn	<i>Stamford, Ct.</i>	Hope 28
Frank Norton Ray	<i>East Providence</i>	East Providence
William Orrin Rice	<i>South Gardner, Mass.</i>	University 56
Maurice Benjamin Rich	<i>Providence</i>	Howell 4
William Lewis Roberts	<i>Goffstown, N. H.</i>	Howell 3
Harry Westcott Rockwell	<i>Rockwell's Mills, N. Y.</i>	University 48
William Benjamin Satterlee	<i>Poughkeepsie, N. Y.</i>	Slater 7
Arthur Henry Scott	<i>Pawtucket</i>	Hope 28
Timothy Joseph Sheehan	<i>Fitchburg, Mass.</i>	Maxey 205
James Leonard Sherman 2d	<i>Providence</i>	University 44
Lester Burrell Shippee	<i>East Killingly, Ct.</i>	Hope 39
Charles Aloysius Slattery	<i>Providence</i>	24 Vernon St.
Tilden Hendricks Stearns	<i>Wilmot, N. H.</i>	Hope 14
Claude Henry Stockard	<i>Providence</i>	Hope 20
Bates Eben Stover	<i>Chicopee, Mass.</i>	Hope 32
Frederic Daniel Sullivan	<i>Providence</i>	Maxey 205
Leslie Hunt Sutherland	<i>Natick, Mass.</i>	University 60
Albert William Hayden Thompson	<i>Providence</i>	Maxey 203
William Homer Tobey	<i>North Berwick, Me.</i>	33 Benevolent St.
Cyril Richard Tobin	<i>San Francisco, Cal.</i>	29 Benevolent St.
William Hutchins Turner	<i>Paterson, N. J.</i>	University 43
Arthur Brown Tyler	<i>Providence</i>	136 Brownell St.
Manning Eugene Van Nostrand	<i>Keyport, N. J.</i>	Hope 21
George Roberts Walworth	<i>Newton, Mass.</i>	Slater 11
George Waterhouse	<i>Beaufort, S. C.</i>	Hope 8
Allan Ferguson Westcott	<i>Alexandria Bay, N. Y.</i>	Hope 2
Edward Nelson White	<i>Acushnet, Mass.</i>	University 10
Henry Wilson White	<i>Providence</i>	Hope 27
Samuel Hall Whitley	<i>Plattsburgh, N. Y.</i>	Hope 5
William Tourtellot Wilder	<i>Olneyville</i>	Olneyville
Arthur Melvin Winslow	<i>Providence</i>	68 Chapin Ave.
Paul McCord Wiswall	<i>Providence</i>	50 Lexington Ave.
Trueman Doane Woodbury	<i>Bow Mills, N. H.</i>	Howell 3
Arthur Crawford Wyman	<i>Central Falls</i>	Slater 4
Francis Elliott Young	<i>Easton, Md.</i>	Hope 45

## FRESHMEN—CLASS OF 1904

NAME	RESIDENCE	ROOM
Henry Frederick Ahrens	<i>Brooklyn, N. Y.</i>	Maxcy 435
Clarence Edwin Akerstrom	<i>Concord Junction, Mass.</i>	Howell 4
Austin Ketcham Allen	<i>Stanfordville, N. Y.</i>	Messer 8
Capwell Allen	<i>Brooklyn, N. Y.</i>	45 Waterman St.
Chester Salisbury Allen	<i>Worcester, Mass.</i>	Maxcy 212
James Vere Anthony	<i>Ware, Mass.</i>	Maxcy 318
Everard Appleton	<i>Providence</i>	209 Angell St.
William Day Appleton	<i>Providence</i>	209 Angell St.
Edmund Kingsley Arnold	<i>Touisset, Mass.</i>	Messer 9
Willis Frank Avery	<i>Manchester, N. H.</i>	62 Meeting St.
Joseph Chester Bailey	<i>Providence</i>	University 13
Harry Vincent Ball	<i>Roxbury, Mass.</i>	Maxcy 435
Levi Herbert Ballou	<i>Woonsocket</i>	33 Benevolent St.
Clifford Thomas Barber	<i>Arcadia</i>	14 George St.
William Henry Barr	<i>Suffield, Ct.</i>	38 Benevolent St.
Irving Judson Beckwith	<i>Oxford, N. Y.</i>	Maxcy 430
Wallace King Belding	<i>Malone, N. Y.</i>	University 44
Edward Merrill Benjamin	<i>New York, N. Y.</i>	Slater 11
Ralph Hervey Bevan	<i>Providence</i>	475 Hope St.
Charles Blake Boland	<i>Worcester, Mass.</i>	Howell 2
Ilsley Boone	<i>Brooklyn, N. Y.</i>	Messer 10
Thomas Sidney Booth	<i>Abington, Ct.</i>	Maxcy 324
William Mitchell Bottomley	<i>Arlington</i>	Arlington
John Rich Bouldry Jr.	<i>Weymouth, Mass.</i>	East Providence
John Masters Bovey Jr.	<i>Nantucket, Mass.</i>	Slater 8
Asa Lloyd Briggs	<i>Ashaway</i>	Slater 12
Herbert Frank Brightman	<i>Fall River, Mass.</i>	110 Cottage St., Pawtucket
Morris Brown	<i>Woonsocket</i>	19 Pratt St.
Ralph Arthur Brown	<i>Silver Creek, N. Y.</i>	Messer 4
William Gaylord Brown	<i>Collinsville, Ct.</i>	38 Benevolent St.
Earl Whitney Browning	<i>Worcester, Mass.</i>	Hope 38

NAME	RESIDENCE	ROOM
Bertram Clyde Bugbee	<i>Woodstock Valley, Ct.</i>	58 College St.
Bertram Harrington Buxton	<i>Providence</i>	Hope 11
Arthur Ewen Cameron	<i>Providence</i>	Maxcy 203
Adin Mowry Capron	<i>Stillwater</i>	Slater 5
Clifford Eugene Carr	<i>Providence</i>	87 Congdon St.
William Edson Cheever	<i>Providence</i>	Maxcy 204
Harrie Norman Cheney	<i>Providence</i>	308 California Ave.
Paul Franklin Clark	<i>Portland, Me.</i>	University 54
Warren Almon Clough	<i>Groton, Mass.</i>	29 Benevolent St.
Arlington Ingalls Clow	<i>Orange, Mass.</i>	35 Benevolent St.
Harry Moses Cobb	<i>East Parsonsfield, Me.</i>	Friends School
Guy Blandin Colburn	<i>Nashua, N. H.</i>	Maxcy 206
George Frederick Cook	<i>Providence</i>	Hope 1
Frederick Aloysius Coughlin	<i>Woonsocket</i>	Woonsocket
Henry Carlton Courten	<i>Palmyra, N. Y.</i>	87 Congdon St.
Daniel Bradley Crane	<i>Toledo, O.</i>	Hope 10
Ralph Conant Crocker	<i>Bridgewater, Mass.</i>	33 Benevolent St.
Azariah Foster Crowell Jr.	<i>Woods Hole, Mass.</i>	Hope 3
Prince Sears Crowell	<i>Woods Hole, Mass.</i>	29 Benevolent St.
Charles Francis Cuddy	<i>Somerville, Mass.</i>	Maxcy 205
Walter Wheaton Daniels	<i>Pawtucket</i>	Hope 34
David Davidson	<i>Providence</i>	20 Arch St.
Foster Barker Davis	<i>Providence</i>	Slater 16
Clarence Washington Dealtry	<i>Bryantville, Mass.</i>	Messer 14
Harold Williams Drury	<i>North Swansea, Mass.</i>	University 58
Richard Owen Dummer	<i>Weld, Me.</i>	812 No. Main St.
James Harper Duncan	<i>Haverhill, Mass.</i>	University 34
William Young Easterbrooks	<i>Pawtucket</i>	University 51
Howard Foss Esten	<i>Pawtucket</i>	Maxcy 434
Porter Fearey	<i>South Bethlehem, N. Y.</i>	Maxcy 207
Louis Edward Feingold	<i>Worcester, Mass.</i>	14 George St.
Charles Fowler Fields	<i>Granby, Ct.</i>	Maxcy 434
John Pierce Filson	<i>Diamond, N. Y.</i>	29 Benevolent St.
Francis Ford	<i>Narragansett Pier</i>	83 Howell St.
George Blinn Francis Jr.	<i>Providence</i>	Slater 9
Charles Rivers Frazer	<i>Auburn, Ala.</i>	268 Brown St.



NAME	RESIDENCE	ROOM
Herbert Augustine Freeman	<i>Willimantic, Ct.</i>	29 Benevolent St.
James Murry Gallison	<i>Franklin, Mass.</i>	Slater 17
Philip Trayne Gleason	<i>Lonsdale</i>	Hope 23
Clifford Moore Granger	<i>Feeding Hills, Mass.</i>	38 Benevolent St.
William Henry Gray	<i>Malone, N. Y.</i>	University 44
Spencer Benjamin Greene	<i>Central Falls</i>	Hope 42
Elmer Dinsmore Greenleaf	<i>Auburn, Me.</i>	38 Benevolent St.
Charles Francis Gross	<i>Philadelphia, Pa.</i>	41 Angell St.
Fred Arthur Guptill	<i>Portland, Me.</i>	University 22
Wells Albert Hall	<i>Brockton, Mass.</i>	Maxcy 429
Leo Gregory Hana	<i>Providence</i>	133 Elm St.
Harold Robert Hanson	<i>East Providence</i>	East Providence
Wendell Edmund Harlow	<i>Middleborough, Mass.</i>	35 Benevolent St.
Howard Farnam Hart	<i>Fayetteville, N. Y.</i>	87 Congdon St.
Charles Shailer Hascall	<i>New York, N. Y.</i>	72 College St.
William Chace Hascall	<i>New York, N. Y.</i>	72 College St.
Marshall Robinson Hastings	<i>Auburn, Me.</i>	University 51
Harry Worthington Hastings	<i>Agawam Mass.</i>	Hope 47
Oscar Leonard Heltzen	<i>Providence</i>	497 Morris Ave.
John Peabody Herring	<i>East Providence</i>	East Providence
Clifton Henry Hobson	<i>Palmer, Mass.</i>	Hope 4
William George Hoffinan Jr.	<i>Providence</i>	38 Atwood St.
Clarence Warren Holmes	<i>Landoff, N. H.</i>	35 Benevolent St.
George Sanford Holmes	<i>Pawtucket</i>	62 Meeting St.
Gustavus Benjamin Holt	<i>Boston, Mass.</i>	272 Benefit St.
Charles Wesley Hunt	<i>No. Charlestown, N. H.</i>	Hope 23
Newton Peck Hutchison	<i>Providence</i>	Slater 12
Royal Nesmith Jessup	<i>Brooklyn, N. Y.</i>	Messer 10
Frank William Johnson	<i>Rumford</i>	University 58
Frederick Clark Jones	<i>Providence</i>	Slater 14
Harold Vincent Joslin	<i>Easthampton, Mass.</i>	University 48
Noble Brandon Judah Jr.	<i>Chicago, Ill.</i>	57 Waterman St.
Llewellyn William Jutten	<i>Fall River, Mass.</i>	Maxcy 211
Henry Roy Keene	<i>Sumner, Me.</i>	Messer 5
Herbert Alden Kenyon	<i>Providence</i>	Hope 46
Horace Earle Kimball	<i>Providence</i>	142 Angell St.



NAME	RESIDENCE	ROOM
Matthew Kollig	<i>Silver Creek, N. Y.</i>	Messer 15
George Elmer Lamphere	<i>Mystic, Ct.</i>	87 Congdon St.
Ralph Arthur Lane	<i>Worcester, Mass.</i>	Howell 2
William Edmund Lane	<i>Antrim, N. H.</i>	35 Benevolent St.
Louis Russell Langworthy	<i>East Providence</i>	East Providence
Charles Bainbridge Leland	<i>Clifton Springs, N. Y.</i>	Maxcy 427
Alpha Freeman Leonard	<i>Needham, Mass.</i>	Maxcy 429
Jesse Wanton Shippee Lillibridge	<i>East Greenwich</i>	Hope 41
Frank Fred de Lisle	<i>St. Albans, Vt.</i>	29 Benevolent St.
Samuel Everett Lincoln	<i>East Providence</i>	Hope 19
Albert John Loepsinger	<i>Providence</i>	Hope 27
Warren Weston Loomis	<i>Windsor, Ct.</i>	Hope 17
Michael Joseph Lynch	<i>Holyoke, Mass.</i>	29 Benevolent St.
Joseph William Mackenzie	<i>Fall River, Mass.</i>	Maxcy 211
Walter Dennis Mackie	<i>Providence</i>	43 Woonasquatucket Ave.
Edward Sumner Macomber	<i>North Dartmouth, Mass.</i>	University 55
James MacPherson	<i>Glasgow, Scotland</i>	Maxcy 426
Robert Grant Martin	<i>Salem, Mass.</i>	Hope 17
Carlton Howard Maryott	<i>Millbrook, N. Y.</i>	Messer 8
Ralph Edward Mason	<i>Providence</i>	Slater 11
Stephen Waterman Mason	<i>Providence</i>	149 Waterman St.
Alfred Fellows Masury	<i>Danvers, Mass.</i>	4 Manning St.
Jacob Alexander Mattuck	<i>Worcester Mass.</i>	14 George St.
John Prior Thornley McBay	<i>Providence</i>	163 Howell St.
James Alphonsus McCann	<i>Providence</i>	University 18
Eugene Ambrose McCarthy	<i>Fall River</i>	Messer 9
Eugene La Verne McIntyre	<i>Waldo, Wis.</i>	Messer 7
James Joseph McKenna	<i>Providence</i>	University 18
Lauren Leslie McMaster	<i>Wakefield, Mass.</i>	Howell 2
Houghton Metcalf	<i>Providence</i>	Slater 8
Allen Webster Milliken	<i>New Bedford, Mass.</i>	Maxcy 427
Richard Montague	<i>Cambridge, Mass.</i>	Hope 30
George Albert Morrell	<i>Lakewood, N. J.</i>	Maxcy 316
Elisha Capron Mowry	<i>Providence</i>	University 43
Joseph Tyler Mowry	<i>Oneco, Ct.</i>	110 Rutherglen Ave.
Christian Augustus Nelson	<i>New Sweden, Me.</i>	1066 Broad St.

NAME	RESIDENCE	ROOM
Oliver Perry Newton	<i>Sandy Creek, N. Y.</i>	29 Benevolent St.
Samuel Bailey Newton	<i>Newport</i>	Hope 11
Lester Hutchinson Nichols	<i>Bennington, Vt.</i>	Maxey 321
Ernest Harper Noble	<i>Meriden, N. H.</i>	33 Benevolent St.
Frederick William O'Connell	<i>Providence</i>	75 Langdon St.
Thomas Francis Joseph O'Malley	<i>Merrick, Mass.</i>	Messer 12
Horatio Nelson Otis	<i>Providence</i>	University 10
John Hector Palmer	<i>Portland, Me.</i>	35 Benevolent St.
Arthur Lionel Patch	<i>Stoneham, Mass.</i>	Hope 19
Harry Maynard Penley	<i>Auburn, Me.</i>	138 Benevolent St.
Walter Enos Phillips	<i>Cambridge, Mass.</i>	Slater 10
Walter Everett Prince	<i>Worcester, Mass.</i>	14 George St.
George Butler Purick	<i>Port Jefferson, N. Y.</i>	82 Prospect St.
Bernard Perry Raymond	<i>Winchendon, Mass.</i>	Hope 22
Newton Chaffin Reed	<i>Greenfield, Mass.</i>	87 Congdon St.
Wilber Tibbetts Reynolds	<i>East Greenwich</i>	Hope 2
Edward Payson Ripley	<i>Dorchester, Mass.</i>	Slater 17
Louis Earle Rowe	<i>Shawomet Beach</i>	Hope 10
Herbert Lee Sackett	<i>Smith's Mills, N. Y.</i>	Messer 15
Lucius Albert Salisbury	<i>Sandy Creek, N. Y.</i>	29 Benevolent St.
William Sandager	<i>Auburn</i>	Auburn
Ernest Alexander Saunders	<i>Somerville, Mass.</i>	Maxey 433
Charles Frederic Savage	<i>Chicago, Ill.</i>	Messer 7
William Joseph Sayers	<i>Fall River, Mass.</i>	29 Benevolent St.
Berrick Schloss	<i>Pawtucket</i>	Hope 7
Edwin Garzea Scott	<i>Pawtucket</i>	Hope 38
Eliot Rossiter Scudder	<i>Brockton, Mass.</i>	Slater 19
Ralph Atherton Sherwood	<i>Providence</i>	Hope 33
Caleb Arnold Slade	<i>Attleboro, Mass.</i>	Hope 25
Harry Smalley	<i>Fall River, Mass.</i>	Messer 9
Samuel Newell Smith, Jr.	<i>Providence</i>	9 Benevolent St.
George Lawton Spencer	<i>Providence</i>	Hope 10
John Jay Staley	<i>Warrens, Wis.</i>	29 Benevolent St.
Albert Hayes Stanton	<i>Ekonk, Ct.</i>	22 Halsey St.
Elmer Tompkins Stevens	<i>Chicago, Ill.</i>	Slater 14
Herbert Jackman Stowell	<i>Berlin, N. H.</i>	Howell 8

NAME	RESIDENCE	ROOM
Wilder Lee Sturtevant	<i>Somerville, Mass.</i>	Maxcy 324
Edward Padelford Taft	<i>Providence</i>	272 Benefit St.
James Birney Tate Jr.	<i>Putnam, Ct.</i>	Hope 24
George Francis Teehan	<i>Providence</i>	Hope 10
Edwin Judkins Tetlow	<i>Providence</i>	Hope 5
Clarence McGregor Thompson	<i>Hartford, Ct.</i>	58 College St.
Roy Towne	<i>Windham, Ct.</i>	18 Pequot St.
Samuel Beedy Trumbull	<i>Lawrence, Mass.</i>	Maxcy 431
Earl Vanderbilt	<i>Little York, N. J.</i>	38 Benevolent St.
Reginald Chipman Wade	<i>Salem, Mass.</i>	Slater 19
Herbert Palmer Ware	<i>Shelburne Falls, Mass.</i>	Howell 7
Frank Peck Weeden	<i>Providence</i>	Maxcy 204
Albert Benjamin West	<i>Providence</i>	57 Roanoke St.
Carleton Grieves White	<i>Somerville, Mass.</i>	Hope 18
Eugene Merrill Wilson	<i>Mount Vernon, N. Y.</i>	Howell 8
Leon Arnold Winslow	<i>Bath, Me.</i>	Maxcy 316
John Freeman Woodman	<i>Manchester, N. H.</i>	62 Meeting St.
Thomas Joseph Wynne	<i>Warren</i>	Warren
Arthur Lincoln Young	<i>New Dorchester, Mass.</i>	Maxcy 319

## SPECIAL STUDENTS

NAME	RESIDENCE	ROOM
William Walter Andrew	<i>Providence</i>	Hope 6
Charles Edmund Bryant	<i>Brookfield, N. Y.</i>	Hope 6
Dennis Francis Carey	<i>Worcester, Mass.</i>	University 31
Albert Bronson Cole	<i>Arlington</i>	Arlington
George Ashton Conibear	<i>Providence</i>	362 Point St.
Albert Linwood Copeland	<i>Thomaston, Me.</i>	Hope 13
Walter Barron Hastings Currier	<i>Springfield, Mass.</i>	University 45
Fred Philbrick Curtice	<i>East Washington, N. H.</i>	35 Benevolent St.
Clinton Viall Dean	<i>Providence</i>	Maxcy 432
Harold DeWolf	<i>Bristol</i>	Bristol
Charles Edward Grinnell Dickerson	<i>Providence</i>	62 Pearl St.
Peter Terence Dolan	<i>Worcester, Mass.</i>	Messer 1
Francis Dwyer	<i>Ansonia, Ct.</i>	38 Benevolent St.
Leland Leslie Eaton	<i>Bradford, N. H.</i>	University 13
Henry Peirce Eldredge Jr.	<i>East Greenwich</i>	University 19
Max Simon Feiler	<i>Providence</i>	251 Willard Ave.
Thomas Albert Fenton	<i>Providence</i>	198 Broad St.
Myron Charles Fish	<i>Pawtucket</i>	University 25
Isaac Fleming	<i>Musquodoboit, N. S.</i>	38 Benevolent St.
Robert Nathan Gee	<i>Arkwright</i>	Hope 20
Thomas Leo Gorman	<i>Central Falls</i>	Central Falls
Harry Elmer Griffith	<i>Augusta, Me.</i>	33 Benevolent St.
David Connolly Hall	<i>Boston, Mass.</i>	Hope 41
Lewis Frederick Hall	<i>Bridgeport, Ct.</i>	Maxcy 425
Irving Libby Handel	<i>Providence</i>	33 Pocasset Ave.
Charles Hargrove	<i>Charlestown, Mass.</i>	115 Waterman St.
George Edgar Hathaway	<i>Providence</i>	75 Almy St.
Howard Raymond Heydon	<i>Crompton</i>	4 Manning St.
George Archibald Humphries	<i>Manville</i>	Manville
Daniel Joseph Hurley	<i>Providence</i>	36 East George St.
Joshua Henry Jones Jr.	<i>Columbus, O.</i>	19 Congdon St.

NAME	RESIDENCE	ROOM
Israel Webster Kelly	<i>Providence</i>	194 Broadway
John Maria Lennon	<i>Pawtucket</i>	96 Pond St., Pawtucket
James Manning Lent	<i>Winthrop, Mass.</i>	Messer 11
George Henry Lewis	<i>Lynn, Mass.</i>	41 Charles Field St.
Robert Bell Longwell	<i>Reidsburg, Pa.</i>	87 Congdon St.
John Patrick Lynch	<i>Bristol</i>	Bristol
Robert Wheaton Mawney	<i>Providence</i>	380 Smith St.
John Edward McCartin	<i>Providence</i>	226 Blackstone St.
Collin Alexander McLeod	<i>Boston, Mass.</i>	29 Benevolent St.
James Duncan McLeod	<i>Providence</i>	Hope 34
Duncan Martin Luther McPhail	<i>Beverly, Mass.</i>	29 Benevolent St.
Lester Willis Nickerson	<i>Brockton, Mass.</i>	Howell 6
John Ferdinand Oderman	<i>Providence</i>	287 Admiral St.
Frank Wentworth Penniman	<i>Concord, Mass.</i>	14 George St.
Preston Hill Porcheron	<i>Brockton, Mass.</i>	Slater 1
Emanuel George Psiaki	<i>Athens, Greece</i>	36 Pratt St.
Enrique Quiñones	<i>Santa Clara, Cuba</i>	233 Medway St.
James Aloysius Ranger	<i>Holyoke, Mass.</i>	29 Benevolent St.
Vinton Irving Reynolds	<i>Providence</i>	60 Evergreen St.
Joseph Francis Russell	<i>Adams, Mass.</i>	127 Benefit St.
Cloves Preston Salladay	<i>East Greenwich</i>	East Greenwich
Morton Emery Sanborn	<i>Manchester, N. H.</i>	Messer 4
Philip Sheldon	<i>Pawtucket</i>	Park Heights, Pawtucket
Henry Williams Stiness	<i>Providence</i>	University 45
Cyrus Briggs Swift	<i>Providence</i>	404 Prairie Ave.
Henry Edwin Tiepke	<i>Pawtucket</i>	Pawtucket
Burt Neville Timbie	<i>Pittsfield, Mass.</i>	University 56
Arthur Herbert Whittemore	<i>Reading, Mass.</i>	Hope 10
Frank Bowen Whittemore	<i>Worcester, Mass.</i>	Maxey 432
Walter Hastings Woods	<i>Providence</i>	65 Cypress St.
Frank Ferris Woolley	<i>Pawtucket</i>	Pawtucket

## THE WOMEN'S COLLEGE

## SENIORS—CLASS OF 1901

NAME	RESIDENCE	ROOM
Ruth Appleton	<i>Providence</i>	209 Angell St.
Minnie Leora Bartlett	<i>Providence</i>	182 Broadway
Lilla Rogers Birge	<i>Providence</i>	50 Jenkins St.
Mabel Jennie Bowe	<i>Providence</i>	491 Hope St.
Adelaide Kimball Burton	<i>Providence</i>	85 Waterman St.
Daisy Frances Coulters	<i>Providence</i>	Cranston
Alice Carey Devereux	<i>Manton</i>	Manton
Louise Conant Gamwell	<i>Providence</i>	10 Wesleyan Ave.
Mary Louise Gregory	<i>Providence</i>	253 Broadway
Margaret Noble Goodwin	<i>Harwinton, Ct.</i>	68 Lloyd St.
Saida Newton Hallett	<i>Providence</i>	283 George St.
Marion Harvie	<i>Providence</i>	38 Congdon St.
Grace June Jones	<i>Philadelphia, Pa.</i>	325 Gano St.
Sara Imbrie Manatt	<i>Providence</i>	15 Keene St.
Mary Alida Orswell	<i>Providence</i>	631 Public St.
Genevieve Partridge	<i>Woonsocket</i>	1 College Court
Edythe Grace Peck	<i>Providence</i>	277 Washington St.
Mary Florence Rafter	<i>Damariscotta, Me.</i>	325 Gano St.
Candace Allen Smith	<i>Providence</i>	47 Jenkins St.
Lura May Thomas	<i>Attleboro, Mass.</i>	Attleboro
Alice Louise Ward	<i>Providence</i>	27 Larch St.
Jessie Wheeler	<i>Saxton's River, Vt.</i>	325 Gano St.

## JUNIORS—CLASS OF 1902

Ruth Stiles Allen	<i>Providence</i>	76 Pitman St.
Mary Edna Budlong	<i>Providence</i>	88 Chapin Ave.
Emma May Caufield	<i>Ashton</i>	Ashton
Maude Evelyn Clarke	<i>Newport</i>	42 Angell St.
Amy Jenckes Cook	<i>Woonsocket</i>	101 Congdon St.

NAME	RESIDENCE	ROOM
Ella Frances Cory	<i>Providence</i>	51 Arch St.
Alice May Cushing	<i>Providence</i>	5 Franklin St.
Nellie Maude Dauphinee	<i>Providence</i>	186 Ohio Ave.
Maude Farnum	<i>Providence</i>	112 Bridgham St.
Grace Deborah Gallup	<i>Woonsocket</i>	42 Angell St.
Lillian May Gamwell	<i>Providence</i>	73 Taber Ave.
Abbie Sweetland Ghodey	<i>Providence</i>	101 Congdon St.
Edith May Goff	<i>East Providence</i>	202 Waterman Ave., East Providence
Esther Dora Griswold	<i>Providence</i>	28 Oak St.
Mary Louise Hays	<i>Westfield, Mass.</i>	66 Benefit St.
Leonora Hill	<i>Providence</i>	221 Broad St.
Mary Child Lee	<i>Providence</i>	92 Bellevue Ave.
Millicent Rawson Leete	<i>Pawtucket</i>	93 Summit St., Pawtucket
Katharine Frances Littlefield	<i>Providence</i>	98 Prospect St.
Ella Baxter McCaffrey	<i>Providence</i>	61 Congdon St.
Myrtis Alida Millikin	<i>Providence</i>	30 Portland St.
Daza Page Mowry	<i>Providence</i>	7 Barnes St.
Grace Pierce	<i>Providence</i>	72 Broad St.
Ella Artemisia Pollard	<i>Attleboro, Mass.</i>	Attleboro
Marguerite McLeon Reid	<i>Providence</i>	321 Blackstone St.
Ada Rogers	<i>Pawtucket</i>	50 Clyde St., Pawtucket
Margaret Roys	<i>Uxbridge, Mass.</i>	26 Alumni Ave.
Helen Macomber Sherman	<i>Providence</i>	45 Elmwood Ave.
Bertha Northrup Smith	<i>Olneyville</i>	136 Pocasset Ave.
Ida Maude Warren	<i>Providence</i>	13 Smithfield Ave.
Ellen Sefton Waterman	<i>Olneyville</i>	918 Plainfield St.
Miriam Edwina Withee	<i>Houlton, Me.</i>	35 Congdon St.

## SOPHOMORES—CLASS OF 1903

Ruby Marion Atwood	<i>New Boston, N. H.</i>	68 Lloyd St.
Charlotte Anthony	<i>Barrington</i>	Barrington
Jessie May Barbour	<i>Ashton</i>	Ashton
Jane Barclay	<i>Guelph, Ontario</i>	153 Benefit St.
Alice Morse Barrett	<i>Providence</i>	207 Williams St.
Mabel Irene Bartlett	<i>Providence</i>	56 Vinton St.



NAME	RESIDENCE	ROOM
Anna Burnside	<i>Providence</i>	359 Knight St.
Edna Georgiana Calef	<i>Concord, Mass.</i>	66 Benefit St.
Alice Sheehan Carroll	<i>Providence</i>	131 Tockwotton St.
Annie Frances Cheever	<i>North Attleboro, Mass.</i>	North Attleboro
Annie Mabel Cobb	<i>Attleboro, Mass.</i>	Attleboro
Lillian Maud Coffin	<i>Providence</i>	Hartford Ave.
Flora Sawyer Gifford	<i>Buffalo, N. Y.</i>	17 Keene St.
Marion Brooks Gould	<i>Providence</i>	45 Charles Field St.
Alice Nina Hersey	<i>Hyde Park, Mass.</i>	148 Broad St.
Bessie Allen Hood	<i>Providence</i>	7 Parkis Ave.
Bessie Alberta Loud	<i>Providence</i>	4 Wesleyan Ave.
Helena Manatt	<i>Providence</i>	15 Keene St.
Hester Jane Mercer	<i>Willimantic, Ct.</i>	4 Cushing St.
Mary Elizabeth Mercer	<i>Willimantic, Ct.</i>	4 Cushing St.
Ethel May Munro	<i>Bristol</i>	Bristol
Alice Mande Paull	<i>Bellingham, Mass.</i>	130 Ford St.
Georgie Smith Peck	<i>Providence</i>	48 Princeton Ave.
Celia Sweeting Peckham	<i>Providence</i>	16 Preston St.
Ethel Ella Rich	<i>Providence</i>	375 Blackstone St.
Lillie Leonaretta Scholfield	<i>Providence</i>	49 Beacon Ave.
Helen Sherman Sheldon	<i>Providence</i>	1158 Westminster St.
Alma Stockard	<i>Providence</i>	41 Waterman St.
Geraldine Ethelwyn Street	<i>Cranston</i>	Cranston
Ida Lewis Wheawill	<i>Auburn</i>	33 Waterman Ave.
Helen Whitmarsh	<i>Providence</i>	42 Arch St.

## FRESHMEN—CLASS OF 1904

Edith Violet Aldrich	<i>Sterling, Ct.</i>	375 Blackstone St.
Mary Maltby Alling	<i>Northford, Ct.</i>	119 Waterman Ave., East Providence
Nellie Hathaway Bacheller	<i>Newport</i>	34 Pratt St.
Laura Frances Baker	<i>East Brewster, Mass.</i>	168 Williams St.
Lena Belle Baker	<i>East Brewster, Mass.</i>	168 Williams St.
Florence Butler Beitenman	<i>Birdsboro, Pa.</i>	84 Comstock Ave.
Maud Emily Bertram	<i>East Providence</i>	137 Summit St.
Harriet Clara Blades	<i>Pawtucket</i>	Pawtucket

NAME	RESIDENCE	ROOM
Laura Brooks	<i>East Providence</i>	23 Mary Ave.
Harriet Louise Campbell	<i>Centredale</i>	Centredale
Agnes Alice Cawley	<i>East Providence</i>	198 Juniper St., East Providence
Flora Melville Cotton	<i>Providence</i>	16 Humboldt Ave.
Annie Louise Conley	<i>Woonsocket</i>	236 North Main St.
Alice Marion Crosby	<i>Matteawan, N. Y.</i>	66 Benefit St.
Lottie May Devlin	<i>Pawtucket</i>	60 River St.
Annie Fisher	<i>Providence</i>	587 Academy Ave.
Florence Ward Greene	<i>Narragansett Pier</i>	157 Elmwood Ave.
Minnie Elizabeth Locke	<i>Fall River, Mass.</i>	232 Pearl St.
Linda May Lowell	<i>Providence</i>	78 Bellevue Ave.
Nora Loretta Maguire	<i>Providence</i>	79 Andem St.
Theresa Rachel McKenna	<i>Providence</i>	39 Bainbridge Ave.
Annette Walker Milligan	<i>Saylesville</i>	Saylesville
Mary Ellen Oslin	<i>Providence</i>	241 Amherst St.
Sara DeVeaux Packard	<i>Providence</i>	195 Waterman St.
Vera Rector	<i>Pawtucket</i>	204 High St.
Inez Vernon Sayer	<i>Providence</i>	988 Smith St.
Marjorie Wadsworth Shaw	<i>Oak Lawn</i>	Oak Lawn
Lura Cook Shreve	<i>Auburn</i>	Auburn
Miriam Frances Slocum	<i>Montour Falls, N. Y.</i>	66 Benefit St.
Bertha May Smith	<i>Woonsocket</i>	132 Park Ave.
Eleanor Stark	<i>Providence</i>	41 Chapin Ave.
Mae Stenhouse	<i>Pawtucket</i>	313 High St., Pawtucket
Harriet Fuller Griggs Stevens	<i>Willimantic, Ct.</i>	66 Benefit St.
Elsie Marion Straffin	<i>Brockton, Mass.</i>	66 Benefit St.
Ada Henderson Strange	<i>Assonet, Mass.</i>	299 Knight St.
Sarah Ellen Taylor	<i>Methuen, Mass.</i>	44 Ruggles St.
Edith Marian Tillinghast	<i>Providence</i>	129 Oxford St.
Georgia Louise Towle	<i>Providence</i>	47 Camp St.
Anne May Walker	<i>Palmyra, N. Y.</i>	274 Benefit St.
Edith Field Wilcox	<i>Providence</i>	41 Medway St.

## SPECIAL STUDENTS

Susan Grace Aldrich	<i>East Providence</i>	13 Wheldon Ave., East Providence
Josephine Bauer	<i>Providence</i>	609 Broad St.
Abby Bullock	<i>Providence</i>	28 Pitman St.

NAME	RESIDENCE	ROOM
Emily Brainard Day	<i>Providence</i>	216 Medway St.
Mabel Anstice Gannett	<i>Providence</i>	43 Chapin Ave.
Mary Manton Grant	<i>Providence</i>	187 Bowen St.
Edith Gray	<i>Providence</i>	52 Larch St.
Mary Elizabeth Halcrow	<i>Providence</i>	106 Somerset St.
Ruth Louise Handy	<i>Manville</i>	66 Benefit St.
Bertha Ella Harrington	<i>Providence</i>	50 Prairie Ave.
Helen Elizabeth Hersey	<i>Providence</i>	148 Broad St.
Hannah Heaton	<i>Brunswick, Me.</i>	66 Benefit St.
Flora Johnson	<i>Summit</i>	Summit
Gertrude Selwyn Kimball	<i>Providence</i>	9 Villa Ave.
Susanna Eliza Knight	<i>Anthony</i>	Anthony
Grace Fisher Leonard	<i>Providence</i>	156 Broad St.
Hope Waldron Mason	<i>Providence</i>	333 Gano St.
Ethel Busie <sup>h</sup> Morse	<i>Providence</i>	596 Broad St.
Mabel Cornelia Moulton	<i>Providence</i>	327 Elmwood Ave.
Bertha Mabel Nason	<i>Georgiaville</i>	Georgiaville
Emma Grace Osler	<i>Providence</i>	241 Rhodes St.
Alice Emma Parkinson	<i>Providence</i>	25 Whitmarsh St.
Lucy Pierce	<i>Providence</i>	19 Lester St.
Frédérique Rémond	<i>Providence</i>	59 East George St.
Irene Seabury	<i>Providence</i>	72 Keene St.
Marian Lydia Shorey	<i>Albion, Me.</i>	68 Lloyd St.
Louise Isabel Thurston	<i>Providence</i>	93 Almy St.
Caroline Ballou Vose	<i>Manville</i>	Manville
Martha Jane Wilson	<i>Edgewood</i>	Edgewood

## SUMMARY OF THE WOMEN'S COLLEGE

Seniors.....	22
Juniors.....	32
Sophomores.....	31
Freshmen .....	40
Specials.....	29
Total.....	154

## GENERAL SUMMARY

Graduates .....	94
Seniors.....	109
Juniors.....	120
Sophomores .....	139
Freshmen.....	194
Specials .....	62
Women's College.....	154
<hr/>	
Total.....	872

## SUMMARY BY RESIDENCE

Rhode Island.....	445	Maryland.....	2
Massachusetts.....	201	Ohio .....	2
New York.....	65	South Carolina.....	2
Connecticut.....	34	Delaware.....	1
Maine .....	32	District of Columbia .....	1
New Hampshire.....	31	Georgia .....	1
Pennsylvania.....	12	Indian Territory.....	1
New Jersey.....	10	Virginia .....	1
Vermont.....	9	Burma.....	1
Illinois.....	6	Cuba .....	1
California.....	3	Greece .....	1
Wisconsin .....	3	Nova Scotia.....	1
Alabama.....	2	Ontario.....	i
Iowa .....	2	Scotland .....	1
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Total.....			872

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